U.S. DEPARTMENT OF COMMERCE
National Technical Information Service

PB-260 166

DATA REPORT. ARKANSAS-RED RIVER BASINS WATER QUALITY CONSERVATION PROJECT

PUBLIC HEALTH SERVICE, DALLAS, TEXAS

JANUARY 1959

AR-5

PB 260 166

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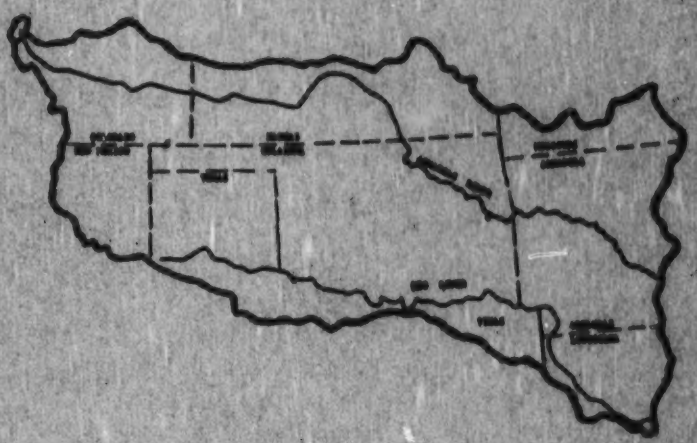
DATA REPORT

ARKANSAS-RED RIVER BASINS WATER QUALITY CONSERVATION PROJECT



U. S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE

PUBLIC HEALTH SERVICE

BIBLIOGRAPHIC DATA SHEET	1. Report No.	2.	3. Recipient's Accession No. PB-260 166
4. Title and Subtitle Data Report. Arkansas-Red River Basins Water Quality Conservation Project.			5. Report Date Jan 59 6.
7. Author(s)			8. Performing Organization Rept. No.
9. Performing Organization Name and Address Public Health Service, Dallas, Tex. Region VII.			10. Project/Task/Work Unit No. 11. Contract/Grant No.
12. Sponsoring Organization Name and Address			13. Type of Report & Period Covered 14.

15. Supplementary Notes
See also PB-260 167.

16. Abstracts

Supplementary data on the Arkansas-Red River Basins Water Quality Conservation Project are presented. The project was initiated by the Public Health Service to determine factors which cause mineral degradation of the waters of the Arkansas and Red Rivers. Included in this report are all available quality data from daily sampling stations on the two rivers and their tributaries for which corresponding flow measurements were made. Results are given in tons of minerals per day as well as concentration of minerals in parts per million and river discharges in cubic feed per second. The report is comprised entirely of charts and statistical tables.

17. Key Words and Document Analysis. 17a. Descriptors

17b. Identifiers/Open-Ended Terms

Arkansas River
Red River
*River basins
*Water quality
*Water conservation
Tables(Data)
*Water pollution sampling
*Mineral wastes
Stream flow
Flow rate
Degradation
Water pollution effects(Materials)

17c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 165p
	20. Security Class (This Page UNCLASSIFIED	22. Price

Data Report

Arkansas-Red River Basins

Water Quality

Conservation Project

Covering Period Through September 30, 1957

Prepared by

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service

Region VII

1114 Commerce Street

Dallas, Texas

January 1959

INTRODUCTION

This is a supplementary report on the Arkansas-Red River Basins Water Quality Conservation Project. The first progress report appeared in June 1958 and included a complete description of the project, its purpose and scope. Also included in the initial report were various Tables and Plates, some of which have been included in this Data Report for convenience sake. Additional copies of both reports may be obtained by writing the Public Health Service, Washington 25, D. C. or the Region VII office of the Public Health Service, 1114 Commerce Street, Dallas, Texas.

Briefly, the Arkansas-Red River Basins Water Quality Conservation Project was initiated by the Public Health Service to determine factors which cause mineral degradation of the waters of the Arkansas and Red Rivers. Much of this pollution is known to originate from highly concentrated salt springs, areas of salt water seepage and outcrops of gypsum. Man-made pollution is also of considerable magnitude below oil fields where effective reinjection of brine is not practiced.

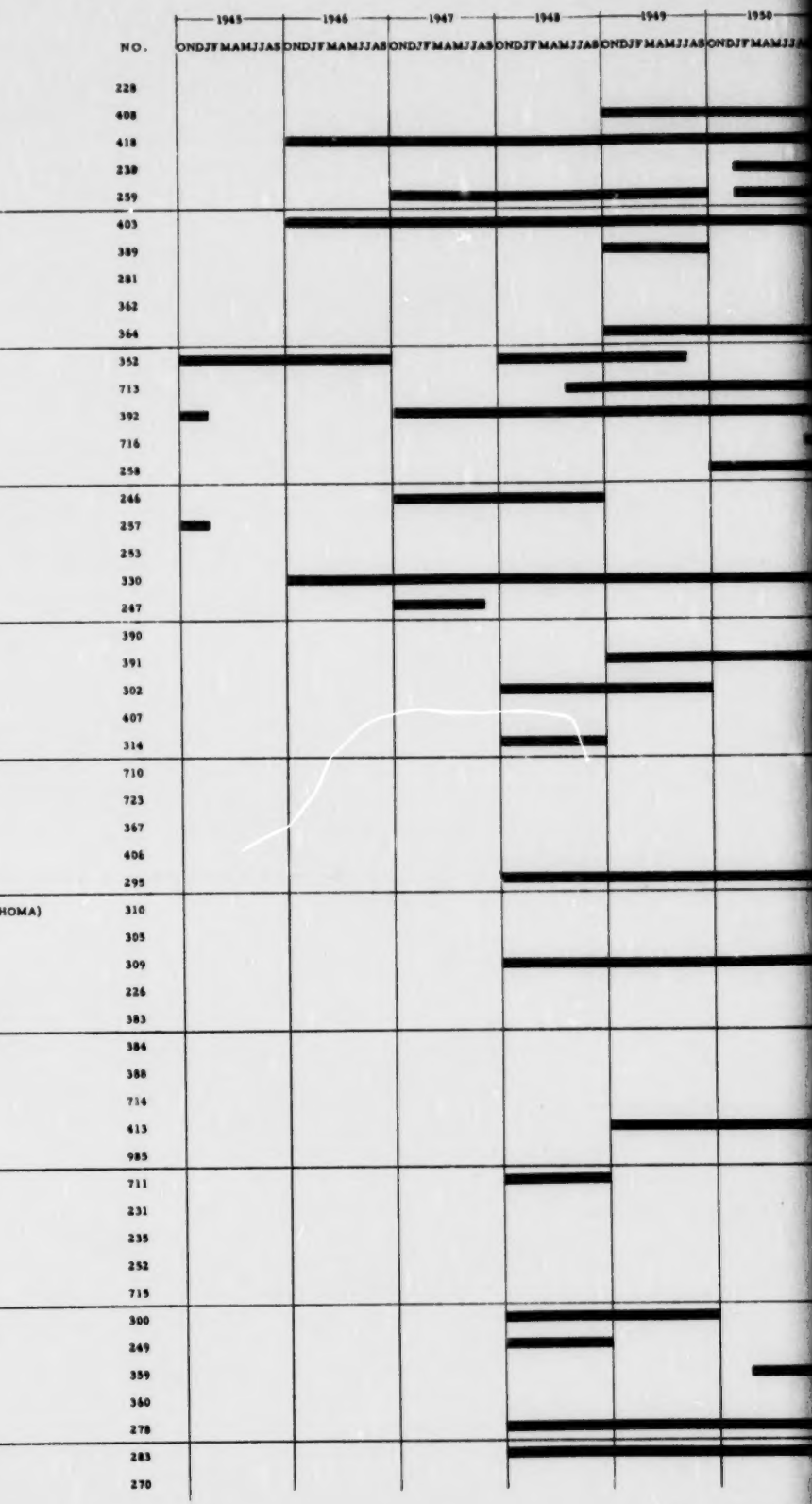
Included in this report are all available quality data from daily sampling stations on the Arkansas and Red Rivers and their tributaries for which corresponding flow measurements were made. Results, therefore, are given in tons of minerals per day as well as concentration of minerals in parts per million and river discharges in cubic feet per second.

The following explanation is given of the terminology used in Data Summary Sheets.

ACKNOWLEDGMENTS

Many local, State and Federal governmental agencies have aided in the compilation of these data. Special acknowledgment is given the U. S. Geological Survey for the unpublished data secured from their files and included here. These data, however, were electronically processed and are not to be considered official until they are confirmed and appear in regular U.S.G.S. documents.

STATION	NO.
ARKANSAS RIVER AT ARKANSAS CITY, KANSAS	228
ARKANSAS RIVER AT DARDANELLE, ARKANSAS	408
ARKANSAS RIVER AT LITTLE ROCK, ARKANSAS	418
ARKANSAS RIVER AT RALSTON, OKLAHOMA	230
ARKANSAS RIVER AT TULSA, OKLAHOMA	259
ARKANSAS RIVER AT VAN BUREN, ARKANSAS	403
BELL COW CREEK AT CHANDLER, OKLAHOMA	389
BIRD CREEK NEAR SPERRY, OKLAHOMA	281
CANADIAN RIVER AT AMARILLO, TEXAS	362
CANADIAN RIVER AT BRIDGEPORT, OKLAHOMA	364
CANADIAN RIVER NEAR SANCHEZ, NEW MEXICO	352
CANADIAN RIVER AT TASCOSA, TEXAS	713
CANADIAN RIVER AT WHITEFIELD, OKLAHOMA	392
CHIKASKIA RIVER NEAR CORBIN, KANSAS	716
CIMARRON RIVER AT MANNFORD, OKLAHOMA	258
CIMARRON RIVER AT MOCANE, OKLAHOMA	246
CIMARRON AT OILTON, OKLAHOMA	257
CIMARRON RIVER AT PERKINS, OKLAHOMA	253
CIMARRON RIVER (OF CANADIAN) AT UTE PARK, NEW MEXICO	330
CROOKED CREEK NEAR NYE, KANSAS	247
DEEP FORK RIVER AT BEGGS, OKLAHOMA	390
DEEP FORK RIVER AT DEWAR, OKLAHOMA	391
ELK RIVER NEAR TIFF CITY, MISSOURI	302
ILLINOIS BAYOU NEAR SCOTTSVILLE, ARKANSAS	407
ILLINOIS RIVER AT TENKILLER RES. NEAR GORE, OKLAHOMA	314
LITTLE RIVER NEAR NORMAN, OKLAHOMA (BELOW HOG CREEK)	710
LITTLE RIVER NEAR NORMAN, OKLAHOMA	723
LITTLE RIVER AT SASAKWA, OKLAHOMA	367
MULBERRY RIVER NEAR MULBERRY, ARKANSAS	406
NEOSHO RIVER NEAR COMMERCE, OKLAHOMA	295
NEOSHO RIVER AT FORT GIBSON RES. (NEAR FORT GIBSON, OKLAHOMA)	310
NEOSHO RIVER NEAR LANGLEY, OKLAHOMA	305
NEOSHO RIVER AT WAGGONER, OKLAHOMA	309
NINNESCAH RIVER AT PECK, KANSAS	226
NORTH CANADIAN NEAR CANTON, OKLAHOMA (AT CANTON RES.)	383
NORTH CANADIAN NEAR EL RENO, OKLAHOMA	384
NORTH CANADIAN AT WETUMKA, OKLAHOMA	388
NORTH FORK NINNESCAH NEAR CHENEY, KANSAS	714
PETIT JEAN CREEK AT DANVILLE, ARKANSAS	413
PINEY CREEK NEAR DOVER, ARKANSAS	985
POTEAU RIVER AT WISTER RES. NEAR WISTER, OKLAHOMA	711
SALT FORK AT ALVA, OKLAHOMA	231
SALT FORK NEAR JET, OKLAHOMA	235
SKELETON CREEK NEAR LOVELL, OKLAHOMA	252
SOUTH FORK NINNESCAH NEAR MURDOCK, KANSAS	715
SPRING RIVER NEAR QUAWPAW, OKLAHOMA	300
TURKEY CREEK NEAR DRUMMOND, OKLAHOMA	249
UTE CREEK NEAR BUEYEROS, NEW MEXICO	359
UTE CREEK NEAR LOGAN, NEW MEXICO	360
VERDIGRIS RIVER NEAR CLAREMORE, OKLAHOMA	278
VERDIGRIS RIVER AT INOLA, OKLAHOMA	283
VERDIGRIS RIVER AT LENAPAH, OKLAHOMA	270



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AVAILA

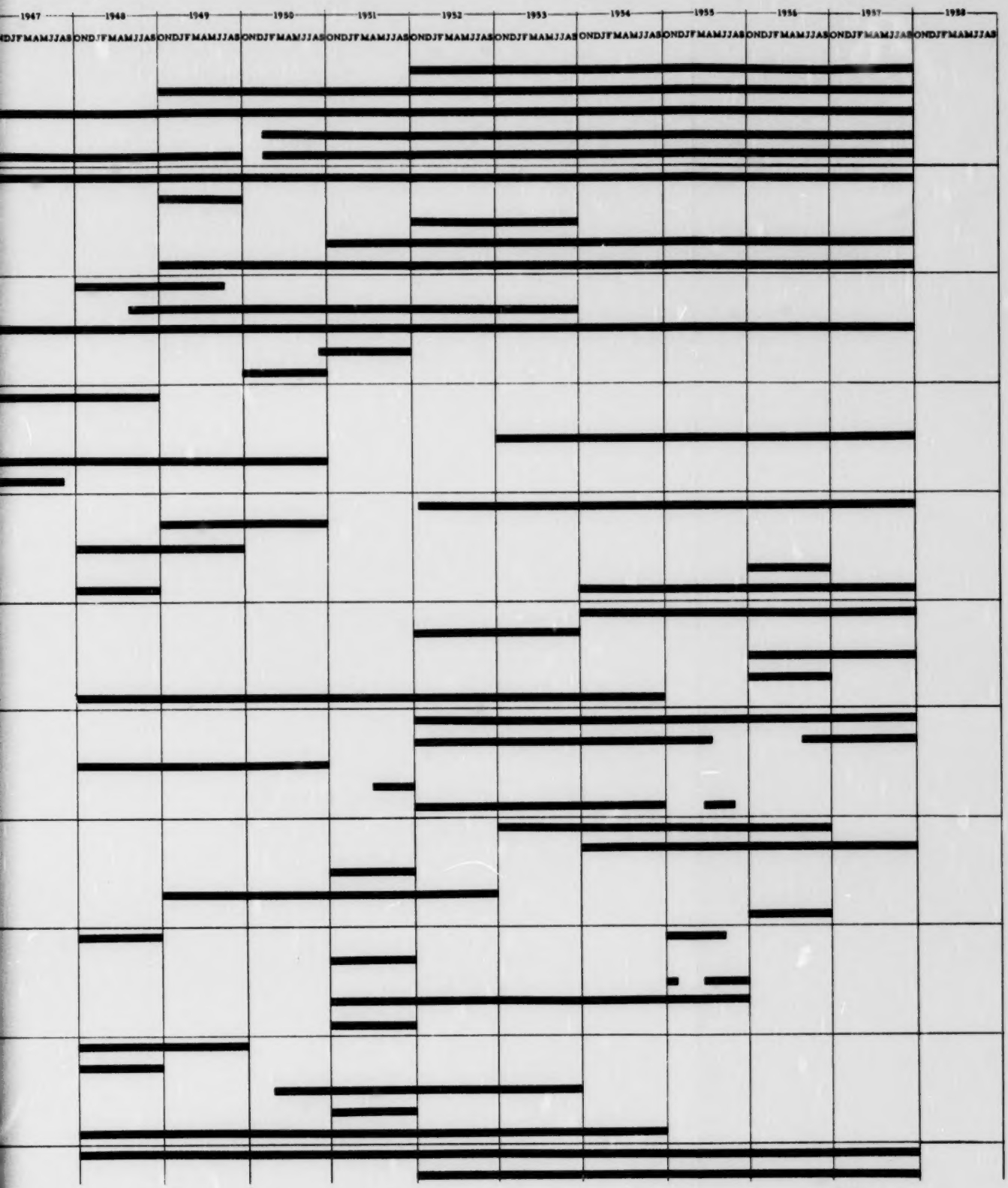


TABLE IV

ARKANSAS RIVER BASIN

INDEX TO QUALITY AND QUANTITY DATA

AVAILABLE FROM DAILY SAMPLING STATIONS

ARKANSAS-RED RIVER BASINS
WATER QUALITY CONSERVATION PROJECT
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
REGION VII DALLAS, TEXAS

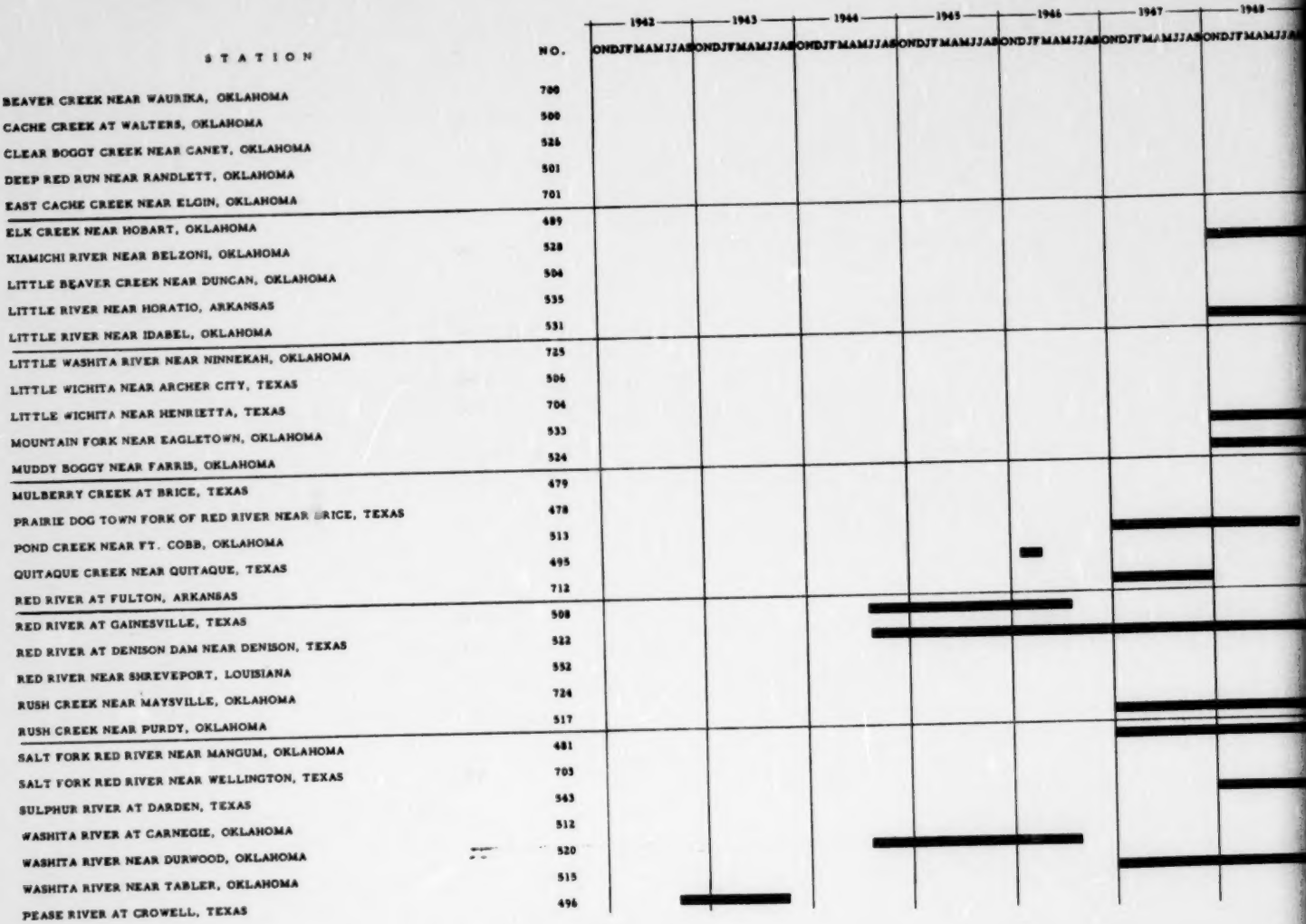

1942
1943
1944
1945
1946
1947
1948
ONDJFMAMJJASONDJFMAMJJASONDJFMAMJJASONDJFMAMJJASONDJFMAMJJASONDJFMAMJJASONDJFMAMJJA
STATION
NO.
BEAVER CREEK NEAR WAURIKA, OKLAHOMA
700
CACHE CREEK AT WALTERS, OKLAHOMA
500
CLEAR BOGGY CREEK NEAR CANEY, OKLAHOMA
526
DEEP RED RUN NEAR RANDLETT, OKLAHOMA
501
EAST CACHE CREEK NEAR ELGIN, OKLAHOMA
701
ELK CREEK NEAR HOBART, OKLAHOMA
489
KIAMICHI RIVER NEAR BELZONI, OKLAHOMA
528
LITTLE BEAVER CREEK NEAR DUNCAN, OKLAHOMA
504
LITTLE RIVER NEAR HORATIO, ARKANSAS
535
LITTLE RIVER NEAR IDABEL, OKLAHOMA
531
LITTLE WASHITA RIVER NEAR NINNEKAH, OKLAHOMA
725
LITTLE WICHITA NEAR ARCHER CITY, TEXAS
506
LITTLE WICHITA NEAR HENRIETTA, TEXAS
704
MOUNTAIN FORK NEAR EAGLETOWN, OKLAHOMA
533
MUDDY BOGGY NEAR FARRIS, OKLAHOMA
524
MULBERRY CREEK AT BRICE, TEXAS
479
PRAIRIE DOG TOWN FORK OF RED RIVER NEAR BRICE, TEXAS
478
POND CREEK NEAR FT. COBB, OKLAHOMA
513
QUITAQUE CREEK NEAR QUITAQUE, TEXAS
495
RED RIVER AT FULTON, ARKANSAS
712
RED RIVER AT GAINESVILLE, TEXAS
508
RED RIVER AT DENISON DAM NEAR DENISON, TEXAS
522
RED RIVER NEAR SHREVEPORT, LOUISIANA
552
RUSH CREEK NEAR MAYSVILLE, OKLAHOMA
724
RUSH CREEK NEAR PURDY, OKLAHOMA
517
SALT FORK RED RIVER NEAR MANGUM, OKLAHOMA
481
SALT FORK RED RIVER NEAR WELLINGTON, TEXAS
703
SULPHUR RIVER AT DARDEN, TEXAS
543
WASHITA RIVER AT CARNEGIE, OKLAHOMA
512
WASHITA RIVER NEAR DURWOOD, OKLAHOMA
520
WASHITA RIVER NEAR TABLER, OKLAHOMA
515
PEASE RIVER AT CROWELL, TEXAS
496

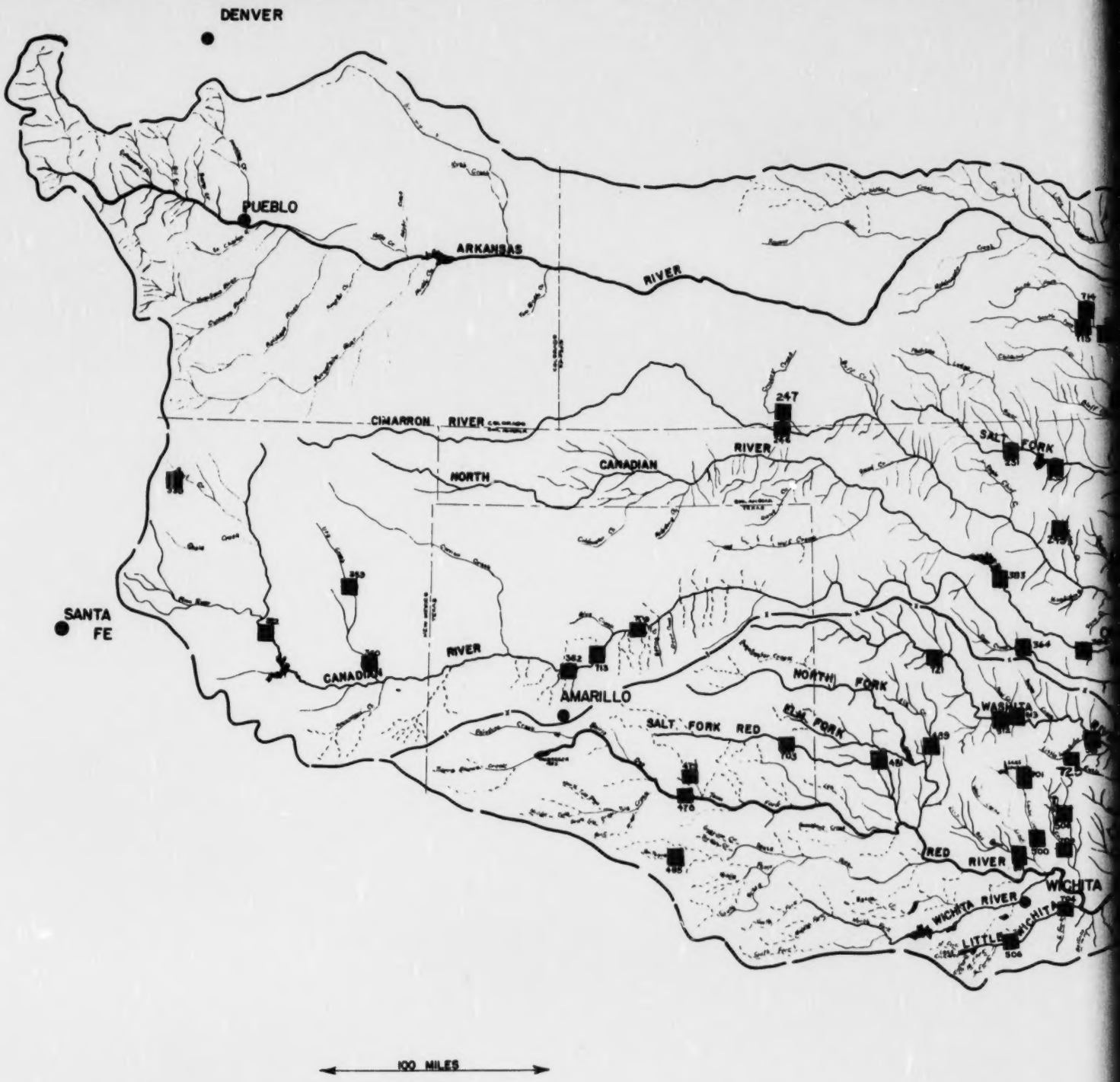
TABLE V

RED RIVER BASIN

INDEX TO QUALITY AND QUANTITY DATA

AVAILABLE FROM DAILY SAMPLING STATIONS

ARKANSAS–RED RIVER BASINS
WATER QUALITY CONSERVATION PROJECT
U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
REGION VII DALLAS, TEXAS



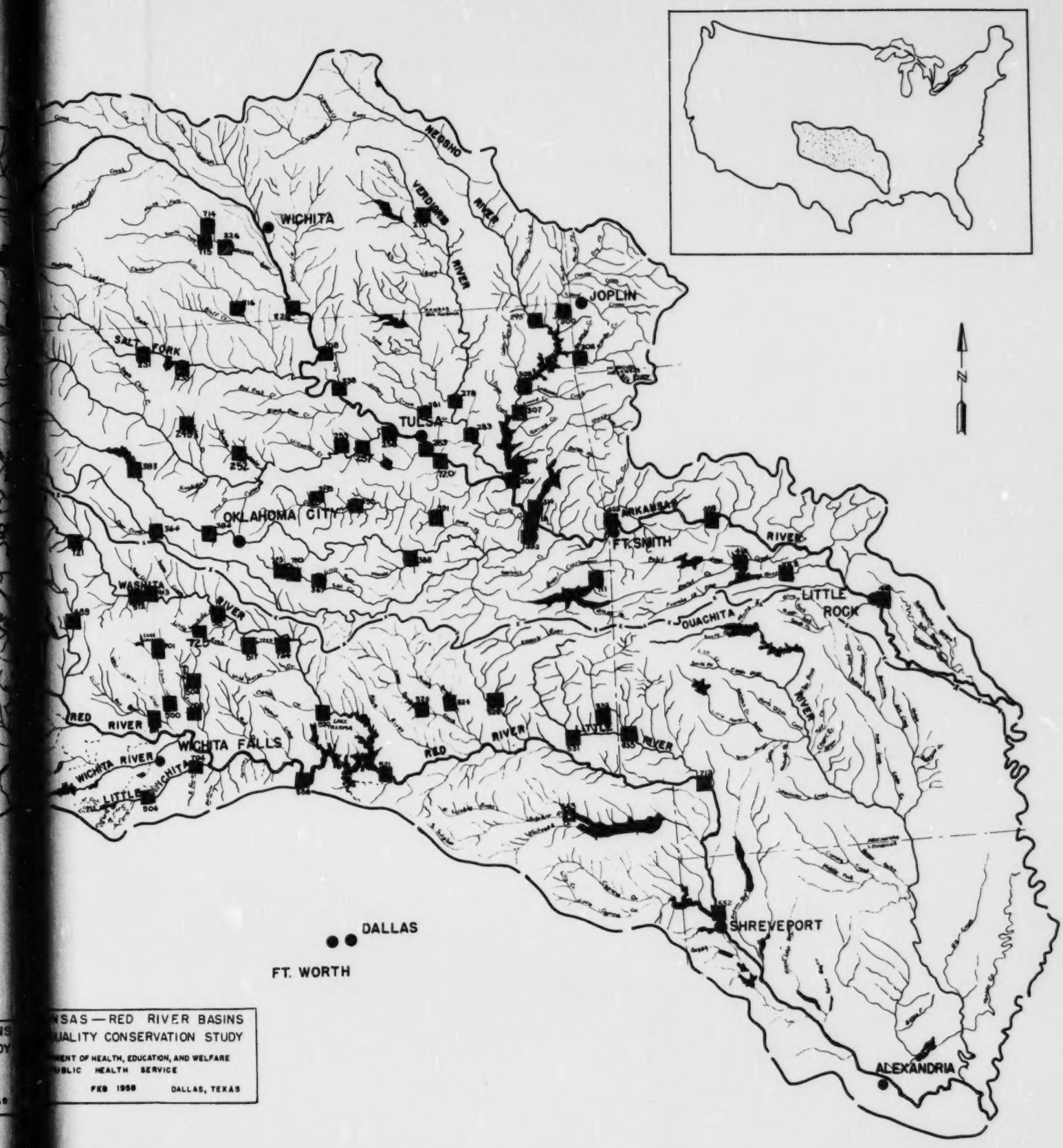
LOCATION OF CONTINUOUS SAMPLING STATIONS FROM WHICH DATA HAVE BEEN ASSEMBLED, SUMMARIZED AND EVALUATED

■ STATIONS IN ARKANSAS AND RED RIVER BASINS

ARKANSAS — RED RIVER BASINS
WATER QUALITY CONSERVATION STUDY

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE

REGION VII FEB 1968 DALLAS, TEXAS



NSAS — RED RIVER BASINS
UALITY CONSERVATION STUDY
RENT OF HEALTH, EDUCATION, AND WELFARE
UBLIC HEALTH SERVICE
FEB 1958 DALLAS, TEXAS

PLATE II

Station Number: Number designation for station given in U.S.G.S. Water Supply Paper 1311 from number 1 - 612. Above Station No. 612 they were designated arbitrarily by this office.

Discharge: Average annual or monthly discharge of the station in cubic feet per second.

Number of Days: Number of days in the month or year during which discharge and quality data were available.

Weighted Average - ppm: The annual or monthly average concentration in parts per million of the mineral constituent concerned adjusted to corresponding discharge. Blank space in this column indicates data not available.

Weighted Average - T/D: The annual or monthly average quantity of the appropriate mineral constituent in tons per day adjusted to corresponding discharge. Blank space in this column indicates either data not available or tonnage less than 0.5 tons/day.

Max. - ppm: The maximum concentration in parts per million of the appropriate mineral constituent which was recorded as the result of the analysis of one composit sample during the month or year. Blank space in this column indicates data not available.

Min. - ppm: The minimum concentration in parts per million of the appropriate mineral constituent which was recorded as the result of the analysis of one composit sample during the month or year. Blank space in this column indicates data not available.

Weighted Data Avg.: The annual average concentration or quantities of the various mineral constituents adjusted to discharge, the maximum and minimum values of these constituents, the average discharge, and the total number of days for all data available during a particular water year. These figures may not represent the entire water year.

Water Year: A period of time lasting twelve months beginning October 1 of one year and ending September 30 of the year designated as the water year. For example, Water Year 1955-56 begins October 1, 1955 and ends September 30, 1956.

STATION: ARKANSAS RIVER AT ARKANSAS CITY, KANSAS

NUMBER: 228 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1907	1	300.0	27	208	169	300	135	224	182	278	180	897	727	1130	707
1907	2	300.0	28	152	124	270	57	256	208	330	180	1110	896	1310	707
1907	3	250.0	20	126	85	196	57	323	218	330	317	1120	755	1180	1060
1907	4	626.0	23	171	289	179	147	320	542	330	264	996	1690	1020	857
1907	5	589.0	23	158	252	165	147	289	461	312	264	919	1460	960	857
	Data Avg.	409.0	121	166	183	300	57	285	315	330	180	990	1090	1310	707
1951	10	2900.0	31	158	1240	216	100	222	1740	302	135	779	6120	1050	501
1951	11	2680.0	30	268	1950	313	199	298	2160	315	270	1140	8290	1260	958
1951	12	1840.0	31	309	1540	328	266	385	1910	550	330	1330	6630	1600	1290
1952	1	2010.0	31	353	1920	432	277	345	1880	358	332	1340	7280	1490	1230
1952	2	1840.0	29	372	1850	405	312	370	1840	380	358	1410	7020	1450	1340
1952	3	2710.0	31	231	1690	296	108	296	2170	352	145	1050	7700	1240	561
1952	4	3290.0	30	194	1720	341	97	266	2360	358	172	935	8310	1320	605
1952	5	2430.0	31	212	1390	250	168	292	1920	338	252	999	6560	1130	830
1952	6	1630.0	30	197	865	269	116	335	1480	575	180	988	4350	1500	573
1952	7	549.0	31	229	339	237	205	562	833	610	380	1410	2090	1490	1080
1952	8	617.0	31	159	264	216	84	438	731	685	235	1120	1870	1580	657
1952	9	269.0	30	179	130	184	174	589	429	595	585	1460	1060	1500	1410
	Data Avg.	1900.0	366	242	1240	432	84	316	1620	685	135	1090	5600	1600	501
1952	10	288.0	31	169	131	174	165	593	462	635	565	1470	1150	1570	1430
1952	11	449.0	30	171	208	190	161	546	663	585	480	1410	1710	1510	1260
1952	12	679.0	31	179	329	196	156	473	867	515	410	1280	2360	1400	1160
1953	1	867.0	31	246	577	288	191	487	1140	545	470	1390	3250	1570	1300
1953	2	826.0	28	253	564	270	242	479	1070	500	450	1370	3050	1410	1320
1953	3	1050.0	31	209	592	228	183	453	1280	515	370	1280	3620	1420	1080
1953	4	918.0	30	168	416	213	34	393	976	535	89	1080	2690	1410	362
1953	5	770.0	31	161	336	199	79	401	835	560	153	1090	2270	1410	494
1953	6	306.0	30	184	152	197	157	676	559	770	485	1620	1340	1800	1220
1953	7	565.0	31	120	182	176	71	375	572	630	158	993	1520	1540	531
1953	8	849.0	31	83	191	168	41	223	513	625	73	666	1530	1550	338
1953	9	229.0	30	186	115	197	178	635	394	705	595	1570	972	1710	1480
	Data Avg.	650.0	365	179	315	288	34	442	777	770	73	1210	2120	1800	338

STATION: ARKANSAS RIVER AT ARKANSAS CITY, KANSAS

NUMBER: 228 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	233.0	31	148	93	280	96	567	357	1280	258	1360	859	2770	711
1953	11	416.0	30	147	166	154	119	501	564	545	330	1280	1440	1370	910
1953	12	554.0	31	173	259	193	117	518	776	565	330	1350	2020	1460	923
1954	1	406.0	31	217	238	249	202	592	649	860	510	1580	1730	2080	1400
1954	2	617.0	28	242	404	282	218	479	799	520	445	1380	2300	1520	1290
1954	3	578.0	31	241	376	267	142	500	781	595	265	1410	2210	1590	884
1954	4	439.0	30	237	282	272	212	607	720	960	552	1550	1840	2190	1450
1954	5	1170.0	31	114	362	222	30	286	906	630	62	811	2570	1570	285
1954	6	750.0	30	171	347	211	81	564	1140	770	210	1360	2760	1750	659
1954	7	190.0	31	101	93	200	165	698	359	910	500	1580	812	1940	1230
1954	8	72.4	31	181	35	183	176	941	184	1100	900	2060	403	2310	1980
1954	9	66.7	30	160	29	180	121	816	147	962	492	1840	332	2130	1190
	Data Avg.	457.0	365	180	222	282	30	497	614	1280	62	1300	1600	2770	285
1954	10	81.6	31	139	31	162	118	654	144	825	440	1540	341	1910	1120
1954	11	145.0	30	144	57	147	141	622	244	650	600	1510	594	1550	1490
1954	12	194.0	31	153	80	163	142	632	331	675	600	1490	782	1550	1430
1955	1	293.0	31	165	130	170	142	626	496	650	565	1510	1200	1570	1400
1955	2	373.0	28	168	170	191	155	548	553	625	500	1390	1400	1530	1320
1955	3	377.0	31	217	221	229	209	629	640	675	575	1590	1610	1670	1490
1955	4	468.0	30	200	253	220	144	597	755	1060	390	1500	1900	2480	1050
1955	5	1290.0	31	76	264	229	37	200	696	745	46	603	2100	1830	240
1955	6	3010.0	30	96	780	176	41	146	1190	305	58	522	4250	957	260
1955	7	704.0	31	198	377	221	123	456	867	695	180	1220	2330	1650	617
1955	8	223.0	31	212	128	317	188	669	402	1230	600	1570	945	2640	1400
1955	9	632.0	30	67	115	206	32	206	352	890	58	570	974	2050	241
	Data Avg.	647.0	365	124	217	317	32	317	555	1230	46	876	1530	2640	240
1955	10	3570.0	31	48	464	188	22	103	997	460	38	346	3340	1280	172
1955	11	494.0	30	196	262	198	195	535	714	560	520	1440	1920	1480	1420
1955	12	449.0	31	202	245	213	197	556	674	640	510	1470	1780	1640	1360
1956	1	463.0	31	249	311	283	210	550	688	765	500	1530	1910	1970	1440
1956	2	561.0	29	226	343	284	181	535	811	620	440	1450	2200	1660	1190
1956	3	490.0	31	296	392	339	212	556	736	610	355	1540	2030	1660	1060
1956	4	453.0	30	229	280	269	163	514	629	595	250	1450	1770	1620	856
1956	5	372.0	31	212	213	223	188	598	602	720	500	1550	1560	1700	1330
1956	6	248.0	30	203	136	213	191	649	435	750	545	1560	1040	1770	1350
1956	7	272.0	31	136	100	188	65	468	345	755	240	1140	842	1700	632
1956	8	66.8	31	204	37	207	185	950	172	1030	820	2190	396	2360	1940
1956	9	32.3	30	223	20	224	223	1160	101	1200	1120	2500	218	2530	2440
	Data Avg.	626.0	366	138	234	339	22	340	575	1200	38	936	1580	2530	172

STATION: ARKANSAS RIVER @ ARKANSAS CITY, KANSAS

NUMBER: 228 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1956	10	64.9	31	148	26	220	94	718	126	1170	500	1670	292	2550	1210
1956	11	129.0	30	132	46	143	120	584	203	640	480	1400	485	1500	1180
1956	12	146.0	31	144	57	171	143	615	243	670	465	1490	590	1570	1260
1957	1	127.0	31	160	55	303	132	694	238	1500	535	1690	580	3380	1390
1957	2	231.0	28	130	81	151	101	505	315	610	405	1270	795	1520	1030
1957	3	392.0	31	141	149	170	118	471	498	620	360	1250	1330	1570	987
1957	4	2210.0	30	100	599	222	50	221	1320	480	128	669	3990	1260	440
1957	5	10400.0	31	41	1170	158	19	88	2480	415	38	315	8900	1110	125
1957	6	10500.0	30	61	1720	157	23	116	3280	290	47	401	11400	821	199
1957	7	6730.0	31	81	1470	211	29	138	2500	370	53	498	9050	1140	253
1957	8	1220.0	31	172	565	213	105	399	1310	545	225	1130	3710	1430	666
1957	9	2510.0	30	77	522	216	34	157	1070	565	70	520	3540	1480	307
	Data Avg.	2900.0	365	69	541	303	19	145	1140	1500	38	476	3730	3380	125

STATION: ARKANSAS RIVER AT DARDANELLE, ARKANSAS

NUMBER: 408 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1948	10	6300.0	31	74	1260	94	61	391	6660	515	310	903	15400	1110	757
1948	11	9920.0	30	79	2130	95	64	374	10000	440	280	883	23700	999	723
1948	12	12400.0	31	76	2550	108	48	404	13500	635	210	898	30000	1320	509
1949	1	64300.0	31	26	4460	115	15	118	20500	485	60	329	57300	998	220
1949	2	132000.0	28	30	10700	46	22	102	36400	245	60	305	109000	606	221
1949	3	61900.0	31	51	8610	88	33	180	30100	328	115	443	74100	660	318
1949	4	42600.0	30	55	6280	67	49	175	20200	215	134	522	60100	655	419
1949	5	127000.0	31	50	17200	97	30	135	46500	235	100	424	146000	674	364
1949	6	107000.0	30	66	19100	102	48	126	36500	165	78	442	128000	556	316
1949	7	37600.0	31	84	8520	122	47	180	18300	285	100	553	56200	803	336
1949	8	13800.0	31	105	3920	137	90	301	11300	515	205	797	29800	1140	628
1949	9	17300.0	30	95	4460	120	67	411	19200	510	245	954	44600	1150	651
	Data Avg.	52100.0	365	53	7400	137	15	158	22300	635	60	455	64100	1320	220
1949	10	15900.0	31	68	2920	78	38	334	14300	590	175	770	33000	1180	428
1949	11	9610.0	30	86	2240	110	67	350	9100	472	282	844	21900	1070	701
1949	12	10500.0	31	85	2410	121	54	368	10400	500	210	845	24000	1130	508
1950	1	52500.0	31	27	3820	58	20	111	15700	241	67	303	43100	564	214
1950	2	51600.0	28	30	4170	42	18	114	15900	170	46	313	43600	404	160
1950	3	22100.0	31	55	3280	72	43	191	11400	229	135	500	29900	606	354
1950	4	16200.0	30	49	2170	61	42	219	9600	378	160	559	24500	895	437
1950	5	99100.0	31	19	5110	35	13	82	21900	228	67	272	72700	544	185
1950	6	43200.0	30	40	4720	57	34	148	17300	254	121	435	50700	652	383
1950	7	80200.0	31	31	6720	62	26	107	23200	368	68	345	74700	886	277
1950	8	106000.0	31	45	12900	50	39	130	37400	165	104	399	114000	473	332
1950	9	73200.0	30	47	9260	67	30	120	23700	187	74	379	75000	550	258
	Data Avg.	48500.0	365	38	4990	121	13	134	17500	590	46	388	50800	1180	160
1950	10	22400.0	31	63	3790	71	54	199	12000	225	178	582	35200	647	534
1950	11	8250.0	30	102	2270	112	85	430	9600	510	395	1030	22900	1150	938
1950	12	6900.0	31	120	2240	155	83	540	10100	648	402	1220	22800	1450	954
1951	1	11100.0	31	85	2550	106	66	459	13800	568	318	1020	30700	1200	756
1951	2	58500.0	28	30	4760	104	24	116	18300	415	72	328	51800	976	223
1951	3	42100.0	31	45	5170	57	37	151	17100	190	112	424	48200	531	345
1951	4	28100.0	30	56	4220	83	41	241	18300	380	153	626	47600	898	412
1951	5	72000.0	31	61	11800	84	31	198	38500	328	72	573	111000	879	287
1951	6	82200.0	30	68	15200	97	50	140	31200	191	117	467	104000	609	409
1951	7	173000.0	31	40	18700	52	29	60	28100	92	44	271	127000	350	226
1951	8	30300.0	31	62	5060	85	47	142	11600	218	89	479	39200	670	350
1951	9	49600.0	30	43	5750	106	31	126	16800	262	72	404	54100	779	292
	Data Avg.	48700.0	365	52	6800	155	24	143	18800	648	44	440	57900	1450	223

STATION: ARKANSAS RIVER AT DARDANELLE, ARKANSAS

NUMBER: 408 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	27400.0	31	47	3470	69	28	132	9740	208	78	418	30900	614	276
1951	11	60100.0	30	32	5180	41	21	92	14900	132	43	311	50600	403	194
1951	12	33100.0	31	54	4800	69	47	141	12600	195	108	444	39700	591	358
1952	1	23600.0	31	60	3800	79	43	222	14200	298	136	606	38700	762	404
1952	2	24600.0	29	69	4590	85	64	213	14200	290	175	608	40500	790	548
1952	3	69000.0	31	46	8520	59	39	124	23100	288	73	381	71100	684	288
1952	4	78200.0	30	35	7450	69	24	113	23800	195	79	348	73500	558	254
1952	5	37700.0	31	75	7640	130	52	223	22800	368	182	630	64300	1010	514
1952	6	20000.0	30	67	3610	83	60	212	11400	305	178	611	33100	802	542
1952	7	5960.0	31	80	1290	113	70	452	7270	655	308	1180	19000	1350	789
1952	8	4710.0	31	77	986	99	69	348	4430	470	264	851	10800	1130	665
1952	9	3600.0	30	72	699	85	61	346	3370	435	280	871	8480	1060	737
	Data Avg.	32300.0	366	50	4340	130	21	154	13500	655	43	459	40000	1350	194
1952	10	2080.0	31	75	420	89	58	351	1980	638	300	869	4890	1370	782
1952	11	4510.0	30	50	609	79	37	242	2950	372	182	605	7380	949	446
1952	12	7700.0	31	38	788	62	29	316	6570	570	225	680	14100	1160	488
1953	1	6120.0	31	50	820	70	33	380	6290	658	148	832	13800	1400	368
1953	2	8380.0	28	47	1060	54	33	317	7190	430	180	703	15900	932	430
1953	3	37300.0	31	32	3260	42	21	145	14600	382	93	365	36800	796	279
1953	4	56400.0	30	23	3550	32	22	126	19200	192	86	365	55600	510	284
1953	5	54600.0	31	19	2850	27	16	79	11600	128	54	270	39800	364	214
1953	6	6730.0	30	54	989	73	43	323	5880	635	155	791	14400	1410	433
1953	7	15400.0	31	42	1750	68	36	324	13500	560	285	785	32700	1260	705
1953	8	7160.0	31	74	1440	130	46	533	10300	990	282	1160	22400	2040	684
1953	9	4360.0	30	80	942	94	58	497	5860	558	430	1110	13100	1250	868
	Data Avg.	17600.0	365	32	1540	130	16	186	8850	990	54	475	22600	2040	214
1953	10	4000.0	31	54	580	83	42	562	6080	710	465	1240	13400	1530	1070
1953	11	5760.0	30	52	814	76	25	709	11000	1260	385	1450	22600	2420	827
1953	12	5730.0	31	50	780	68	38	618	9580	930	418	1280	19800	1810	901
1954	1	11200.0	31	34	1030	73	19	317	9600	1060	105	705	21300	2110	308
1954	2	8610.0	28	46	1060	59	34	347	8080	590	205	763	17800	1210	462
1954	3	5050.0	31	51	699	71	28	553	7550	970	238	1210	16500	1960	563
1954	4	7130.0	30	37	713	60	12	468	9010	1680	88	999	19200	3140	254
1954	5	50800.0	31	31	4220	79	16	168	23100	440	77	470	64500	1020	278
1954	6	13100.0	28	74	2610	100	49	597	21100	795	495	1300	45700	1670	1080
1954	7	4410.0	31	69	823	88	45	379	4520	580	205	906	10800	1330	579
1954	8	2540.0	31	33	227	43	24	242	1660	365	170	614	4210	851	469
1954	9	1120.0	30	39	118	51	26	297	903	345	205	718	2180	805	520
	Data Avg.	9980.0	363	42	1130	100	12	344	9280	1680	77	793	21400	3140	254

STATION: ARKANSAS RIVER AT DARDANELLE, ARKANSAS

NUMBER: 408 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1954	10	3110.0	31	33	274	49	24	223	1870	480	118	551	4630	1050	349
1954	11	3670.0	30	44	437	55	36	186	1840	295	126	492	4880	724	348
1954	12	6140.0	31	27	443	56	13	103	1700	235	48	311	5160	602	179
1955	1	12200.0	31	31	1020	43	21	227	7460	555	96	525	17300	1150	200
1955	2	19700.0	27	21	1110	46	16	126	6700	285	92	360	19200	710	291
1955	3	30200.0	31	18	1510	31	12	117	9510	300	47	327	26700	709	174
1955	4	19700.0	30	24	1310	29	20	122	6490	260	75	347	18500	657	240
1955	5	35100.0	31	59	5600	80	34	342	32500	575	156	836	79300	1290	429
1955	6	31400.0	30	73	6170	121	40	301	25500	550	152	741	62900	1260	438
1955	7	16600.0	31	107	4790	125	90	336	15100	555	225	850	38300	1230	639
1955	8	5680.0	31	91	1400	106	74	495	7600	840	390	1070	16400	1720	883
1955	9	5610.0	30	70	1060	81	56	434	6580	820	280	954	14500	1650	666
	Data Avg.	15700.0	364	49	2100	125	12	242	10300	840	47	605	25700	1720	174
1955	10	24400.0	31	45	2950	84	37	186	12300	478	121	499	32900	1020	368
1955	11	4720.0	30	75	954	85	65	376	4790	550	320	924	11800	1290	816
1955	12	4060.0	31	76	831	93	66	486	5330	630	390	1120	12300	1440	898
1956	1	3460.0	31	74	687	84	60	528	4930	690	392	1230	11500	1580	935
1956	2	14700.0	29	25	998	81	22	210	8370	600	137	499	19800	1310	370
1956	3	4550.0	31	60	742	82	45	448	5510	610	305	1040	12800	1420	745
1956	4	6020.0	30	45	735	67	34	325	5280	485	160	756	12300	1080	403
1956	5	11300.0	31	35	1070	38	27	273	8350	785	142	680	20800	1700	379
1956	6	7810.0	30	49	1030	72	35	289	6100	378	202	740	15600	910	504
1956	7	3890.0	31	61	641	74	54	360	3790	555	180	857	9020	1210	485
1956	8	2530.0	31	78	537	114	52	388	2660	835	142	924	6330	1790	435
1956	9	899.0	30	49	119	69	37	219	532	330	135	617	1500	808	434
	Data Avg.	7350.0	366	47	944	114	22	285	5660	835	121	700	13900	1790	368
1956	10	578.0	31	63	98	100	45	409	638	845	240	999	1560	1740	680
1956	11	1460.0	30	57	226	94	33	559	2200	1180	325	1260	4960	2450	840
1956	12	2970.0	31	31	252	37	20	281	2260	555	140	677	5440	1190	398
1957	1	5370.0	31	25	365	46	12	154	2230	540	58	401	5820	1160	173
1957	2	19400.0	28	17	891	32	8	63	3290	300	40	193	10100	676	132
1957	3	16300.0	31	24	1070	35	6	88	3850	170	31	266	11700	470	125
1957	4	114000.0	30	24	7390	33	8	71	22100	94	18	248	76600	309	119
1957	5	196000.0	31	35	18600	90	25	95	50200	215	50	324	171000	596	238
1957	6	238000.0	30	33	21000	51	24	73	46900	120	46	282	181000	402	223
1957	7	90000.0	31	45	11000	69	38	89	21600	242	64	338	82100	642	281
1957	8	20300.0	31	63	3460	95	38	206	11300	318	94	535	29300	807	313
1957	9	25500.0	24	55	3810	92	33	213	14700	330	97	599	41300	892	391
	Data Avg.	61400.0	359	35	5730	100	6	91	15100	1180	18	314	52100	2450	119

STATION: ARKANSAS RIVER AT LITTLE ROCK, ARKANSAS

NUMBER: 418 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1945	10	60100.0	21	31	5020	45	26	100	16300	196	67	341	55400	556	266
1945	11	17800.0	30	49	2380	73	35	226	10900	250	207	572	27600	623	545
1945	12	11500.0	31	46	1440	48	45	325	10100	342	305	780	24200	811	749
1946	1	77800.0	31	24	5100	36	19	128	26900	275	78	361	75800	652	263
1946	2	81500.0	28	25	5540	44	21	102	22500	212	86	313	68900	538	285
1946	3	48800.0	30	39	5110	45	29	157	20700	194	113	421	55600	506	330
1946	4	50200.0	30	27	3680	36	20	143	19400	176	121	383	52000	456	319
1946	5	102000.0	31	18	5110	21	16	85	23400	95	75	242	66900	259	232
1946	6	48500.0	30	30	3940	56	22	108	14200	298	73	334	43700	733	252
1946	7	24200.0	31	40	2620	61	27	202	13200	330	166	535	35000	782	443
1946	8	5660.0	31	44	670	46	39	244	3730	262	212	634	9690	685	535
1946	9	6610.0	30	58	1040	77	47	432	7720	650	272	938	16800	1220	706
	Data Avg.	49200.0	364	28	3680	77	16	123	16400	650	66	354	47100	1220	232
1946	10	9700.0	31	147	3850	186	122	465	12200	818	312	1140	29900	1730	924
1946	11	53000.0	30	36	5170	72	17	146	20900	340	58	400	57300	807	214
1946	12	84700.0	31	19	4450	57	15	57	13100	231	38	222	50900	574	187
1947	1	19600.0	31	51	2690	61	41	250	13300	385	159	626	33200	873	444
1947	2	9940.0	28	86	2300	92	72	423	11400	485	340	941	25300	1030	795
1947	3	19600.0	31	73	3890	91	59	349	18500	460	260	814	43200	1000	664
1947	4	121000.0	30	45	14600	90	36	126	41200	352	88	407	133000	865	326
1947	5	140000.0	31	37	14100	56	34	88	33300	160	74	324	123000	476	301
1947	6	68100.0	30	60	11000	82	44	126	23200	180	101	423	77900	533	357
1947	7	27600.0	31	71	5280	125	46	149	11100	282	108	478	35600	778	350
1947	8	8850.0	31	131	3130	167	107	340	8130	580	222	933	22300	1310	729
1947	9	6920.0	30	68	1270	94	36	306	5720	432	188	764	14300	974	481
	Data Avg.	47600.0	365	47	5980	186	15	137	17700	818	38	419	53900	1730	187
1947	10	5680.0	31	54	829	60	34	329	5050	465	190	769	11800	962	477
1947	11	7440.0	30	42	853	91	23	349	7020	648	252	773	15600	1270	618
1947	12	17500.0	31	23	1100	35	16	178	8430	355	118	417	19800	780	297
1948	1	30700.0	31	24	1950	44	17	123	10200	325	66	330	27400	769	206
1948	2	34600.0	29	22	2080	44	18	129	12100	275	86	334	31300	695	247
1948	3	85200.0	31	31	7130	42	20	145	33500	210	94	389	89500	527	281
1948	4	39400.0	30	46	4850	60	33	122	13000	194	79	357	38000	526	235
1948	5	35800.0	31	41	3930	57	30	183	17700	273	105	474	45900	685	310
1948	6	53900.0	30	32	4640	54	27	123	17900	463	72	364	53100	983	269
1948	7	135000.0	31	30	11000	46	24	101	36900	223	54	329	121000	573	238
1948	8	74100.0	31	34	6910	85	25	105	21100	265	59	342	68500	701	253
1948	9	14000.0	30	92	3480	105	77	296	11200	365	260	761	28800	912	662
	Data Avg.	44700.0	366	34	4080	105	16	134	16200	648	54	381	46100	1270	206

STATION: ARKANSAS RIVER AT LITTLE ROCK, ARKANSAS

NUMBER: 418 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1948	10	7150.0	31	78	1500	96	63	367	7090	492	298	873	16900	1080	730
1948	11	11400.0	30	72	2220	92	56	321	9870	412	228	771	23700	933	586
1948	12	19600.0	31	50	2640	99	27	269	14300	578	122	625	33200	1210	318
1949	1	84800.0	31	24	5610	65	13	109	25100	305	54	299	68600	694	196
1949	2	151000.0	28	27	10800	40	18	91	37000	224	52	284	115000	546	191
1949	3	73200.0	31	44	8640	71	29	139	27600	228	92	392	77600	600	283
1949	4	49200.0	30	55	7280	87	40	163	21700	238	112	476	63300	674	338
1949	5	129000.0	31	49	17000	86	30	136	47300	218	93	433	151000	654	367
1949	6	112000.0	30	62	18600	113	44	124	37500	168	76	406	123000	572	294
1949	7	38400.0	31	85	8790	112	50	175	18100	278	110	583	60500	819	387
1949	8	16200.0	31	98	4280	129	80	290	12700	390	198	764	33400	977	604
1949	9	17500.0	30	89	4220	116	58	377	17800	630	232	872	41200	1280	591
	Data Avg.	58400.0	365	48	7600	129	13	145	22900	630	52	424	66900	1280	191
1949	10	22800.0	31	54	3350	64	44	218	13400	445	134	567	34900	977	392
1949	11	12600.0	30	75	2570	108	52	313	10600	438	228	771	26300	985	615
1949	12	17800.0	31	55	2650	64	44	288	13900	445	134	689	33200	977	392
1950	1	79900.0	31	23	5030	42	20	87	18800	200	56	272	58700	508	224
1950	2	78300.0	28	24	5090	29	22	91	19200	122	75	273	57800	365	237
1950	3	35400.0	31	43	4130	52	36	147	14100	170	100	399	38200	462	300
1950	4	20900.0	30	44	2500	57	38	192	10800	318	162	538	30400	825	465
1950	5	110000.0	31	20	5850	54	17	76	22600	285	59	259	77200	745	217
1950	6	49200.0	30	39	5240	69	34	136	18000	230	105	418	55500	651	374
1950	7	80900.0	31	38	8310	69	30	125	27300	352	71	379	82800	822	272
1950	8	119000.0	31	40	12700	46	36	125	40000	170	98	387	124000	474	332
1950	9	77700.0	30	44	9240	66	26	106	22300	178	64	363	76200	544	238
	Data Avg.	58700.0	365	35	5570	108	17	122	19300	445	56	366	58100	985	217
1950	10	25500.0	31	63	4370	71	57	180	12400	212	138	534	36800	619	435
1950	11	10600.0	30	90	2570	123	73	343	9840	422	202	873	25000	986	642
1950	12	8400.0	31	90	2040	126	71	443	10100	668	332	1020	23200	1430	860
1951	1	20100.0	31	50	2740	77	32	272	14800	435	168	667	36300	990	450
1951	2	66600.0	28	25	4430	74	19	111	20000	382	69	326	58700	954	220
1951	3	52100.0	31	37	5200	53	25	129	18200	192	96	381	53700	510	303
1951	4	32300.0	30	49	4310	63	37	211	18400	312	145	562	49100	770	400
1951	5	73000.0	31	56	11100	76	31	197	38800	291	77	567	112000	771	315
1951	6	81300.0	30	70	15400	95	53	143	31500	190	120	493	108000	631	410
1951	7	178000.0	31	41	19700	56	30	60	28600	98	41	282	135000	368	234
1951	8	34100.0	31	56	5150	81	42	127	11700	218	85	438	40400	614	336
1951	9	48400.0	30	43	5650	96	32	113	14800	248	75	395	51700	734	308
	Data Avg.	52500.0	365	49	6920	126	19	135	19100	668	41	429	60900	1430	220

STATION: ARKANSAS RIVER AT LITTLE ROCK, ARKANSAS

NUMBER: 418 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	28200.0	31	50	3810	74	28	129	9820	220	72	422	32200	624	254
1951	11	71100.0	30	31	5980	40	23	88	16800	155	57	302	57900	409	235
1951	12	40300.0	31	46	5010	56	40	114	12500	158	100	366	39800	473	333
1952	1	36400.0	31	46	4500	70	31	149	14600	255	80	418	41200	652	252
1952	2	31200.0	29	59	4970	63	54	167	14100	200	120	483	40800	542	376
1952	3	80900.0	31	37	7990	44	25	112	24500	230	66	380	83000	660	255
1952	4	92100.0	30	30	7410	44	22	92	22900	108	64	304	75700	369	235
1952	5	47700.0	31	61	7870	89	56	183	23600	249	158	539	69400	717	476
1952	6	22700.0	30	60	3670	71	49	184	11300	210	148	565	34600	644	494
1952	7	6200.0	31	83	1390	103	64	390	6540	655	285	956	16000	1400	768
1952	8	4940.0	31	66	879	73	55	358	4780	628	252	875	11700	1320	673
1952	9	3770.0	30	75	764	88	65	347	3530	425	290	863	8790	1020	752
	Data Avg.	38700.0	366	43	4520	103	22	131	13700	655	57	407	42600	1400	235
1952	10	2390.0	31	62	398	70	56	285	1840	418	200	786	5070	1010	612
1952	11	7630.0	30	28	573	66	12	119	2460	318	40	373	7680	857	172
1952	12	21600.0	31	17	1000	39	7	110	6400	305	59	284	16600	707	166
1953	1	13200.0	31	28	999	51	12	181	6470	388	79	450	16100	950	212
1953	2	18500.0	28	23	1140	29	14	144	7170	198	80	357	17800	480	212
1953	3	53400.0	31	16	2310	30	11	101	14500	257	50	299	43100	602	198
1953	4	67600.0	30	19	3520	23	16	102	18600	124	68	316	57600	370	233
1953	5	76000.0	31	15	2990	20	7	64	13200	131	38	241	49600	375	190
1953	6	10700.0	30	40	1160	73	31	200	5780	410	107	537	15500	938	330
1953	7	13900.0	31	33	1230	69	22	371	13900	745	306	828	31200	1540	692
1953	8	8530.0	31	67	1540	103	47	467	10800	940	272	1020	23600	1880	632
1953	9	4950.0	30	63	837	65	59	478	6400	502	405	1050	14000	1070	950
	Data Avg.	24900.0	365	22	1480	103	7	133	8990	940	38	369	24900	1880	166
1953	10	3400.0	31	60	548	72	33	680	6240	1140	410	1430	13100	2210	967
1953	11	6240.0	30	47	790	70	28	669	11300	1240	409	1360	22900	2400	933
1953	12	6340.0	31	61	1040	72	48	601	10300	930	440	1280	22000	1810	988
1954	1	14100.0	31	35	1350	95	23	268	10200	960	89	613	23400	2010	269
1954	2	13900.0	28	33	1250	54	20	235	8850	472	116	527	19900	1030	289
1954	3	6830.0	31	39	723	52	31	461	8500	750	270	1000	18500	1520	613
1954	4	10700.0	30	28	821	48	18	312	9030	970	108	704	20300	2010	284
1954	5	63500.0	31	21	3580	82	14	147	25200	420	74	386	66200	1000	212
1954	6	14600.0	30	94	3720	132	77	548	21600	730	420	1210	47600	1570	1000
1954	7	5100.0	31	74	1010	89	59	415	5730	690	228	937	12900	1460	591
1954	8	2920.0	31	38	299	54	27	254	2000	355	180	634	5000	789	467
1954	9	1620.0	30	44	192	54	31	248	1090	335	198	645	2830	797	547
	Data Avg.	12500.0	365	38	1280	132	14	297	10000	1240	74	680	22900	2400	212

STATION: ARKANSAS RIVER AT LITTLE ROCK, ARKANSAS

NUMBER: 418 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	3150.0	31	32	270	57	22	213	1810	485	108	527	4490	1050	274
1954	11	4430.0	30	36	436	51	30	162	1940	268	113	434	5190	618	304
1954	12	5190.0	31	31	433	51	14	137	1920	225	78	397	5570	625	239
1955	1	16200.0	31	23	1000	36	5	190	8320	495	78	474	20800	1100	239
1955	2	24400.0	28	17	1140	39	13	118	7760	280	86	314	20700	686	247
1955	3	44800.0	31	17	2010	24	13	98	11900	198	58	288	34900	478	208
1955	4	29600.0	30	21	1660	26	16	98	7830	194	60	289	23100	486	213
1955	5	35400.0	31	46	4450	63	17	318	30500	630	70	766	73400	1440	213
1955	6	36500.0	30	62	6120	101	39	279	27500	375	148	694	68500	909	432
1955	7	18300.0	31	97	4800	129	70	354	17500	610	220	891	44000	1340	646
1955	8	6270.0	31	82	1380	90	68	474	8030	750	345	1040	17600	1520	794
1955	9	5760.0	30	64	994	78	46	421	6560	590	305	947	14700	1270	736
	Data Avg.	19100.0	365	40	2060	129	5	213	11000	750	58	538	27800	1520	208
1955	10	25700.0	31	42	2950	75	36	172	11900	340	118	497	34500	822	387
1955	11	5580.0	30	72	1090	98	61	343	5170	470	280	843	12700	1110	707
1955	12	4940.0	31	67	891	78	41	438	5860	525	365	1030	13700	1200	865
1956	1	5470.0	31	46	682	70	14	309	4570	535	82	759	11200	1210	258
1956	2	42800.0	29	13	1510	15	11	93	10700	128	66	280	32300	375	217
1956	3	9620.0	31	37	951	39	32	268	6960	290	225	660	17200	707	570
1956	4	9240.0	30	33	812	57	22	233	5820	370	164	547	13700	888	399
1956	5	14400.0	31	29	1110	46	17	200	7760	600	100	506	19700	1240	281
1956	6	8830.0	30	48	1150	66	44	283	6770	375	190	719	17200	929	541
1956	7	4030.0	31	61	663	93	53	350	3810	590	190	809	8820	1250	540
1956	8	2790.0	31	75	569	109	55	388	2930	760	165	924	6970	1660	492
1956	9	1360.0	30	44	162	52	33	171	625	235	135	525	1920	657	450
	Data Avg.	11100.0	366	35	1040	109	11	202	6070	760	66	526	15800	1660	217
1956	10	1170.0	31	37	117	58	23	214	677	430	116	563	1780	982	374
1956	11	1760.0	30	55	261	69	36	369	1760	890	168	855	4070	1830	449
1956	12	3890.0	31	35	370	54	24	196	2060	480	103	451	4750	1020	279
1957	1	10100.0	31	20	530	43	11	100	2710	405	36	283	7690	950	140
1957	2	32200.0	28	13	1160	18	8	49	4230	140	34	171	14900	329	136
1957	3	25700.0	31	22	1510	36	6	63	4370	148	27	191	13300	410	105
1957	4	133000.0	30	23	8270	27	14	67	24200	84	40	234	83800	277	161
1957	5	216000.0	31	36	20800	46	27	95	55400	156	54	315	184000	455	226
1957	6	265000.0	30	32	23000	44	23	72	51900	102	48	280	201000	370	216
1957	7	102000.0	31	45	12300	56	39	81	22300	140	62	328	90300	441	286
1957	8	38200.0	31	36	3740	66	26	121	12600	205	75	353	36500	572	243
1957	9	25100.0	29	53	3600	69	46	182	12400	245	138	515	35000	660	421
	Data Avg.	71200.0	364	33	6320	69	6	84	16300	890	27	294	56500	1830	105

STATION: ARKANSAS RIVER AT RALSTON, OKLAHOMA

NUMBER: 238 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	1	2010.0	21	333	1810	353	314	554	3010	560	550	1590	8660	1640	1550
1950	2	1920.0	28	344	1780	390	312	517	2680	625	405	1550	8010	1670	1400
1950	3	1700.0	31	322	1480	349	288	609	2810	645	585	1640	7550	1650	1620
1950	4	1190.0	30	294	942	324	276	703	2260	730	680	1710	5500	1730	1690
1950	5	3340.0	31	123	1120	255	33	349	3150	785	87	882	7960	1760	317
1950	6	4490.0	28	91	1100	193	56	279	3390	575	162	755	9160	1350	504
1950	7	13200.0	31	36	1290	159	18	124	4420	535	47	401	14300	1250	240
1950	8	25700.0	31	78	5400	119	54	189	13100	218	145	566	39300	725	452
1950	9	7110.0	30	147	2830	254	97	237	4550	430	160	780	15000	1220	551
	Data Avg.	6850.0	271	108	1990	390	18	239	4420	785	47	700	13000	1760	240
1950	10	3530.0	31	228	2170	336	113	298	2840	402	141	1020	9770	1340	559
1950	11	1980.0	30	293	1570	312	277	463	2490	495	450	1440	7710	1540	1380
1950	12	1860.0	31	353	1770	384	328	523	2620	530	510	1570	7870	1620	1520
1951	1	1780.0	31	319	1540	338	281	580	2790	1050	550	1660	8020	2590	1560
1951	2	2560.0	28	277	1920	346	203	548	3800	655	395	1520	10500	1820	1120
1951	3	2650.0	31	325	2320	333	277	550	3940	560	475	1600	11400	1640	1380
1951	4	3330.0	30	206	1850	229	171	499	4500	645	343	1340	12100	1660	1000
1951	5	33300.0	31	77	6920	155	29	156	14100	338	60	512	46100	984	265
1951	6	30800.0	30	109	9060	265	59	141	11700	300	93	523	43500	1100	346
1951	7	47700.0	31	74	9560	154	34	88	11400	192	42	382	49200	748	208
1951	8	6590.0	31	184	3280	202	139	279	4970	305	228	933	16600	1010	736
1951	9	16300.0	30	87	3810	174	38	144	6330	298	81	494	21700	919	321
	Data Avg.	12800.0	365	111	3830	384	29	173	5970	1050	42	592	20500	2590	208
1951	10	5420.0	31	159	2330	179	122	288	4220	350	208	905	13300	1070	699
1951	11	6500.0	30	181	3170	229	157	293	5140	355	255	943	16600	1100	856
1951	12	3920.0	31	245	2590	257	236	381	4040	445	342	1250	13200	1320	1190
1952	1	3960.0	31	268	2870	319	230	417	4460	435	405	1340	14300	1440	1280
1952	2	3130.0	29	296	2500	309	273	420	3550	460	390	1400	11800	1440	1370
1952	3	7840.0	31	152	3210	215	79	284	6020	430	158	899	19000	1240	547
1952	4	7360.0	30	203	4040	237	175	376	7490	422	325	1130	22400	1220	968
1952	5	5340.0	31	261	3760	287	168	370	5340	395	280	1190	17200	1290	863
1952	6	4760.0	30	159	2040	263	47	269	3460	495	76	826	10600	1350	309
1952	7	1230.0	31	217	723	221	212	549	1830	625	500	1410	4680	1530	1320
1952	8	1130.0	31	192	585	253	156	575	1750	912	378	1370	4180	2000	993
1952	9	616.0	30	197	328	207	167	653	1090	700	515	1540	2570	1680	1270
	Data Avg.	4270.0	366	203	2350	319	47	349	4030	912	76	1080	12500	2000	309

STATION: ARKANSAS RIVER AT RALSTON, OKLAHOMA

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YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	347.0	31	210	196	216	205	770	716	800	720	1790	1667	1840	1680
1952	11	609.0	30	194	320	201	188	699	1150	745	680	1670	2740	1760	1630
1952	12	855.0	31	192	443	205	178	594	1370	650	555	1490	3450	1610	1410
1953	1	961.0	31	223	579	247	200	587	1530	610	565	1510	3930	1550	1490
1953	2	1060.0	28	240	686	257	222	564	1620	595	535	1470	4220	1500	1450
1953	3	1610.0	31	197	858	281	159	547	2380	885	432	1400	6080	2060	1150
1953	4	1850.0	30	159	792	204	74	454	2270	630	189	1150	5720	1460	558
1953	5	2430.0	31	109	719	207	24	353	2320	680	50	908	5970	1640	252
1953	6	1590.0	30	97	417	163	37	370	1580	640	116	943	4040	1580	386
1953	7	1930.0	31	137	712	245	38	664	3450	1250	152	1480	7720	2670	426
1953	8	1530.0	31	108	444	260	28	407	1680	1210	95	977	4030	2540	307
1953	9	416.0	30	164	184	181	149	639	718	720	565	1460	1640	1580	1310
	Data Avg.	1340.0	365	271	982	2050	24	945	3430	7650	50	1660	6020	8000	252
1953	10	281.0	31	162	123	213	105	719	545	990	412	1570	1190	2160	987
1953	11	764.0	30	118	243	159	34	468	965	610	310	1160	2400	1460	750
1953	12	903.0	31	133	324	167	84	486	1190	600	308	1220	2980	1500	789
1954	1	612.0	31	192	318	202	184	600	993	635	580	1540	2540	1600	1480
1954	2	666.0	28	213	384	235	187	554	997	570	545	1440	2590	1460	1400
1954	3	740.0	31	220	439	253	163	603	1210	730	440	1520	3030	1770	1160
1954	4	678.0	30	206	378	219	122	681	1250	770	455	1620	2960	1810	1220
1954	5	2580.0	31	156	1090	259	69	788	5500	1650	275	1700	11900	3230	716
1954	6	1530.0	30	230	954	242	199	1150	4780	1300	830	2370	9830	2630	1810
1954	7	281.0	31	197	150	203	178	907	689	950	830	1920	1460	1980	1810
1954	8	141.0	31	147	56	164	72	702	268	780	282	1530	581	1700	694
1954	9	75.0	30	153	31	157	147	769	156	800	745	1660	336	1710	1600
	Data Avg.	772.0	365	179	374	259	34	741	1550	1650	275	1670	3490	3230	694
1954	10	243.0	31	114	75	160	65	596	391	775	390	1310	856	1720	918
1954	11	180.0	30	145	70	156	133	737	359	775	700	1660	807	1740	1550
1954	12	211.0	31	153	87	157	149	702	401	725	675	1610	921	1650	1580
1955	1	326.0	31	177	156	182	172	742	654	750	725	1730	1530	1780	1670
1955	2	450.0	28	175	213	193	157	719	875	825	650	1700	2070	1870	1570
1955	3	455.0	31	188	231	207	115	681	836	750	362	1650	2030	2200	913
1955	4	460.0	30	192	239	210	175	630	783	700	530	1550	1920	1680	1320
1955	5	6000.0	31	36	581	197	21	98	1590	635	41	322	5220	1520	189
1955	6	5800.0	28	148	2320	277	50	698	11000	1600	136	1540	24100	3160	400
1955	7	2340.0	31	183	1160	221	121	645	4070	760	335	1480	9370	1720	849
1955	8	666.0	31	156	280	189	60	617	1110	950	205	1390	2500	2030	514
1955	9	261.0	30	163	115	213	111	694	489	1200	298	2180	1530	3390	1000
	Data Avg.	1430.0	363	116	450	277	21	471	1820	1600	41	1110	4290	3390	189

STATION: ARKANSAS RIVER AT RALSTON, OKLAHOMA

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YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	9360.0	31	47	1190	154	15	175	4430	580	40	463	11700	1350	166
1955	11	762.0	30	174	359	179	172	593	1220	605	580	1480	3050	1530	1420
1955	12	570.0	31	184	284	187	183	605	932	615	595	1500	2310	1510	1490
1956	1	556.0	31	209	314	225	197	571	857	600	545	1490	2240	1520	1440
1956	2	733.0	29	198	392	244	177	588	1160	700	520	1490	2950	1700	1340
1956	3	604.0	31	264	431	285	236	673	1100	730	615	1680	2740	1780	1570
1956	4	611.0	30	216	357	235	170	605	998	645	400	1580	2600	1680	1150
1956	5	431.0	31	204	238	210	201	657	765	690	640	1600	1870	1670	1580
1956	6	427.0	30	187	216	249	103	732	844	985	520	1560	1800	2220	951
1956	7	474.0	31	138	177	237	68	600	769	1400	262	1360	1750	2920	680
1956	8	116.0	31	219	68	236	194	1210	378	1350	1010	2520	785	2780	2080
1956	9	36.6	30	189	19	193	185	952	94	980	910	2090	207	2150	1950
	Data Avg.	1230.0	366	101	338	285	15	339	1130	1400	40	852	2840	2920	166
1956	10	35.4	31	178	17	182	119	805	77	860	540	1780	170	1880	1250
1956	11	123.0	30	169	56	171	162	747	248	780	680	1690	562	1750	1570
1956	12	146.0	31	175	69	187	163	860	340	920	740	1910	756	2140	1700
1957	1	156.0	31	173	73	179	169	821	346	900	780	1840	777	1980	1760
1957	2	234.0	28	154	97	160	147	696	439	760	655	1690	1060	1800	1610
1957	3	357.0	31	169	163	182	138	731	706	840	585	1720	1660	1940	1440
1957	4	7680.0	30	68	1410	185	24	398	8260	1380	76	900	18700	2770	249
1957	5	30500.0	31	66	5400	209	36	248	20500	1670	119	610	50300	3260	341
1957	6	39300.0	30	57	6060	124	33	100	10600	238	58	364	38600	700	218
1957	7	18500.0	31	106	5280	188	71	183	9160	378	109	598	29900	1080	393
1957	8	2390.0	31	162	1050	184	146	493	3190	590	405	1270	8200	1440	1150
1957	9	4030.0	30	109	1190	187	74	323	3530	665	210	832	9070	1540	575
	Data Avg.	8650.0	365	75	1750	209	24	206	4810	1670	58	572	13400	3260	218

STATION: ARKANSAS RIVER NEAR TULSA, OKLAHOMA

NUMBER: 259 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	2050.0	31	192	1070	380	126	1690	9380	5030	990	3010	16700	5360	1970
1946	11	3700.0	30	197	1970	340	85	1070	10700	1540	680	2140	21400	2970	1420
1946	12	2210.0	31	363	2160	385	331	1390	8260	1510	1290	2930	17500	3160	2780
1947	1	1720.0	31	311	1450	336	273	1670	7770	1840	1450	3350	15600	3670	2930
1947	2	1420.0	28	380	1460	388	365	1540	5910	1580	1480	3230	12400	3280	3120
1947	3	5200.0	31	272	3820	349	181	1280	18000	1600	955	2620	36800	3260	1920
1947	4	34900.0	30	98	9270	300	42	452	42600	1360	248	989	93200	2770	570
1947	5	24200.0	31	157	10200	250	94	418	27400	820	170	1030	67400	1840	511
1947	6	11800.0	30	208	6600	253	137	457	14500	530	360	1170	37300	1360	904
1947	7	5800.0	24	213	3330	350	75	422	6620	835	215	966	15100	1550	878
1947	8	1810.0	31	315	1540	416	220	779	3820	955	345	1820	8940	2100	980
1947	9	931.0	30	253	637	267	233	1430	3590	1440	1420	2790	7020	2800	2790
	Data Avg.	8020.0	358	168	3640	416	42	616	13400	5030	170	1360	29400	5360	511
1947	10	576.0	31	246	384	267	240	1740	2710	1920	1570	3290	5120	3590	3040
1947	11	674.0	30	199	362	202	195	1740	3180	1800	1680	3260	5950	3370	3160
1947	12	1450.0	31	223	874	229	218	1620	6350	1720	1540	3140	12300	3340	2980
1948	1	1230.0	5	226	748	226	226	1660	5500	1660	1660	3130	10400	3130	3130
1948	2	1330.0	29	187	674	276	178	1320	4740	2100	1240	2600	9360	4000	2460
1948	3	9080.0	31	178	4360	182	175	1060	26100	1100	1040	2110	51900	2200	2060
1948	4	3790.0	30	246	2520	249	244	895	9170	905	890	1940	19900	1960	1930
1948	5	3390.0	31	214	1970	233	199	941	8630	960	890	1970	18100	2000	1920
1948	6	12900.0	30	67	2340	72	67	270	9380	275	270	706	24600	708	694
1948	7	34100.0	31	87	8000	89	84	349	32200	360	330	852	78500	860	848
1948	8	18100.0	31	144	7050	193	88	518	25300	660	215	1180	57500	1450	556
1948	9	3650.0	30	222	2190	224	221	928	9140	930	925	1980	19500	1980	1970
	Data Avg.	8060.0	340	128	2790	276	67	571	12400	2100	215	1260	27500	4000	556
1948	10	1690.0	31	191	874	195	189	1240	5670	1380	1170	2450	11200	2660	2340
1948	11	4560.0	30	220	2720	225	208	1350	16600	1450	1160	2710	33400	2860	2420
1948	12	3510.0	31	286	2710	321	259	1620	15300	1720	1420	3150	29900	3230	2970
1949	1	2490.0	14	318	2140	327	315	1450	9750	1450	1450	3020	20300	3040	3010
1949	2	29700.0	28	83	6690	128	70	393	31500	662	325	857	68700	1350	732
1949	3	12800.0	31	191	6590	225	168	724	25000	745	710	1620	55800	1730	1540
1949	4	9200.0	30	153	3810	224	99	420	10400	695	255	1060	26400	1600	704
1949	5	39100.0	31	127	13400	222	66	364	38500	775	135	901	95200	1720	442
1949	6	26500.0	30	194	13900	290	142	446	31900	625	335	1140	81400	1460	878
1949	7	8710.0	31	246	5790	321	176	600	14100	860	350	1460	34400	2020	932
1949	8	4730.0	31	235	3010	260	160	759	9700	920	530	1710	21900	1970	1200
1949	9	10100.0	30	197	5360	247	135	629	17100	1000	360	1450	39300	2110	937
	Data Avg.	13100.0	348	162	5730	327	66	540	19100	1720	135	1240	44000	3230	442

STATION: ARKANSAS RIVER NEAR TULSA, OKLAHOMA

NUMBER: 259 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1950	1	2640.0	31	318	2270	342	300	1360	9730	1480	1300	2880	20600	3060	2780
1950	2	2430.0	28	328	2150	394	258	1170	7660	1460	830	2570	16800	2950	1910
1950	3	2180.0	31	330	1940	380	295	1190	6980	2150	1020	2570	15100	4070	2370
1950	4	1690.0	30	263	1200	284	190	1210	5500	1390	840	2490	11400	2830	1760
1950	5	6140.0	31	154	2560	265	93	622	10300	1360	295	1380	22900	2730	806
1950	6	5640.0	30	129	1980	325	68	603	9200	1620	268	1320	20100	3240	711
1950	7	19000.0	31	86	4380	182	18	390	20000	1620	55	882	45200	3020	232
1950	8	32900.0	31	95	8420	195	68	385	34200	795	315	930	82700	1740	762
1950	9	10300.0	30	172	4780	266	134	502	13900	670	395	1220	34000	1600	991
	Data Avg.	9310.0	273	132	3320	394	18	523	13200	2150	55	1200	30100	4070	232
1950	10	4630.0	31	247	3090	310	164	686	8590	845	505	1730	21600	2060	1260
1950	11	2430.0	30	297	1950	309	276	1030	6770	1160	940	2380	15500	2560	2230
1950	12	2240.0	31	319	1930	341	305	1200	7250	1380	1150	2670	16200	2950	2570
1951	1	2240.0	31	318	1920	365	303	1300	7890	1550	1260	2870	17400	3360	2770
1951	2	3650.0	28	263	2600	365	192	1200	11900	1590	835	2580	25500	3400	1870
1951	3	3440.0	31	321	2990	349	291	1260	11700	1580	1120	2830	26300	3320	2510
1951	4	4280.0	30	251	2900	300	133	1220	14100	1680	635	2580	29800	3430	1420
1951	5	42900.0	31	118	13700	214	42	439	50900	1740	168	1090	126000	3530	471
1951	6	37700.0	30	148	15100	267	84	343	34900	660	178	942	95900	1800	598
1951	7	56600.0	31	98	14900	172	53	197	30200	365	112	611	93600	1140	379
1951	8	8150.0	31	193	4260	219	161	518	11400	700	445	1430	31600	1740	1260
1951	9	18100.0	30	101	4940	184	32	354	17300	685	198	873	42700	1600	509
	Data Avg.	15600.0	365	139	5880	365	32	421	17800	1740	112	1070	45300	3530	379
1951	10	5700.0	31	149	2690	171	105	490	8880	850	372	1230	22300	1880	922
1951	11	8080.0	30	171	3740	196	134	726	15900	905	565	1670	36400	1940	1270
1951	12	4590.0	31	231	2860	256	204	733	9090	865	635	1800	22300	2110	1560
1952	1	4430.0	31	268	3200	308	235	905	10800	1160	820	2160	25800	2520	2100
1952	2	3840.0	29	291	3030	305	266	896	9310	920	870	2210	22900	2240	2170
1952	3	10600.0	31	141	4050	210	75	648	18600	995	300	1500	43000	2140	761
1952	4	9210.0	30	214	5320	258	101	876	21800	1220	630	1990	49500	2600	1400
1952	5	7650.0	31	256	5280	323	132	769	15900	1180	410	1850	38100	2640	1020
1952	6	6630.0	30	147	2640	299	74	483	8650	865	268	1190	21200	2060	696
1952	7	1480.0	31	204	814	219	165	993	3960	1180	670	2120	8450	2390	1480
1952	8	1400.0	31	179	679	230	137	1060	4000	1780	660	2220	8420	3440	1400
1952	9	691.0	30	208	388	279	175	1430	2660	1690	1160	2850	5330	3460	2370
	Data Avg.	5440.0	366	196	2890	323	74	733	10800	1780	268	1720	25300	3460	696

STATION: ARKANSAS RIVER NEAR TULSA, OKLAHOMA

NUMBER: 259 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	379.0	31	193	197	197	189	1340	1370	1380	1290	2790	2860	2870	2690
1952	11	638.0	29	178	306	194	161	1480	2560	1850	1180	3050	5250	3940	2560
1952	12	940.0	31	188	478	204	172	1250	3180	1410	1140	2570	6530	2960	2290
1953	1	1110.0	31	236	706	258	208	1560	4660	1750	1360	3140	9390	3470	2720
1953	2	1190.0	28	260	838	276	243	1550	5000	1850	1400	3120	10100	3680	2880
1953	3	2520.0	31	177	1210	239	96	1140	7790	1780	745	2400	16300	3510	1610
1953	4	2830.0	30	119	907	214	55	884	6770	1340	520	1800	13800	2650	1070
1953	5	2800.0	31	137	1040	208	54	944	7150	1980	498	1970	14900	3930	1080
1953	6	2670.0	29	127	918	208	74	963	6960	2320	620	2020	14600	4660	1360
1953	7	4140.0	31	170	1910	304	20	1070	12000	2820	288	2210	24700	5380	646
1953	8	1900.0	31	165	849	296	110	1130	5800	2520	745	2330	11900	4930	1580
1953	9	716.0	30	159	307	194	143	1460	2820	2000	1220	2930	5670	3910	2580
	Data	Avg. 1830.0	363	164	808	304	20	1120	5520	2820	288	2300	11400	5380	646
1953	10	500.0	31	142	191	260	90	1610	2180	3510	740	3240	4380	7250	1520
1953	11	1430.0	30	93	361	173	43	910	3520	1850	410	1870	7230	3650	898
1953	12	1340.0	31	145	525	195	85	1310	4720	1850	680	2590	9350	3480	1440
1954	1	762.0	31	228	469	368	208	2010	4140	3390	1750	4010	8260	6580	3520
1954	2	856.0	28	235	544	257	211	1810	4180	2220	1220	3610	8340	4290	2540
1954	3	845.0	31	241	551	262	196	1640	3750	1920	1100	3370	7700	3850	2390
1954	4	906.0	30	200	489	254	59	1460	3580	2000	810	3000	7350	4050	1620
1954	5	5120.0	31	159	2200	260	34	1050	14500	1800	285	2130	29400	3520	682
1954	6	2810.0	30	212	1610	275	117	1640	12400	2080	925	3260	24700	4170	1870
1954	7	416.0	31	183	205	226	122	1580	1770	2050	1240	3050	3430	4060	2470
1954	8	196.0	31	159	84	179	147	1700	898	2820	1200	3290	1740	5240	2380
1954	9	157.0	30	145	61	225	95	2470	1040	5960	1250	4740	2000	10900	2620
	Data	Avg. 1280.0	365	176	608	368	34	1360	4720	5960	285	2740	9500	10900	682
1954	10	271.0	31	124	91	157	107	1410	1030	1950	1050	2670	1960	3670	2180
1954	11	240.0	30	138	89	159	91	1690	1090	1950	1120	3390	2200	3930	2240
1954	12	243.0	31	150	99	171	119	2450	1610	3100	1900	4600	3020	5590	3720
1955	1	392.0	31	161	170	170	151	2150	2280	2800	1850	4150	4400	5250	3630
1955	2	522.0	28	185	261	202	164	1900	2680	2200	1780	3720	5250	4290	3540
1955	3	651.0	31	169	298	214	87	1550	2720	2250	550	3080	5420	4260	1170
1955	4	545.0	30	220	324	411	145	2010	2960	5120	1180	4010	5900	9600	2440
1955	5	17000.0	31	141	6480	184	83	885	40500	2000	270	1850	84700	3780	701
1955	6	13400.0	30	148	5350	237	108	599	21700	1080	320	1390	50200	2350	863
1955	7	3710.0	31	205	2060	241	149	966	9690	1400	550	2080	20800	2880	1290
1955	8	1050.0	31	189	534	228	63	1430	4050	1800	560	2850	8040	3540	1200
1955	9	529.0	30	244	349	299	203	2330	3340	3140	1880	4570	6540	6080	3740
	Data	Avg. 3230.0	365	155	1350	411	63	901	7860	5120	270	1910	16600	9600	701

STATION: ARKANSAS RIVER NEAR TULSA, OKLAHOMA

NUMBER: 259 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1955	10	14900.0	31	51	2040	209	23	271	10900	2800	105	645	25900	5360	312
1955	11	936.0	30	190	481	199	181	1250	3150	1320	1150	2580	6520	2770	2360
1955	12	703.0	31	208	395	215	202	1410	2680	1450	1390	2930	5560	3000	2850
1956	1	712.0	31	231	444	267	211	1560	3000	1900	1400	3180	6120	3710	2870
1956	2	971.0	29	230	604	279	212	1660	4360	1800	1300	3380	8870	3670	2740
1956	3	781.0	31	279	589	300	258	1750	3690	2020	1650	3500	7380	3980	3350
1956	4	761.0	30	241	495	258	216	1510	3110	1880	1180	3100	6380	3770	2540
1956	5	704.0	31	203	387	234	137	1590	3030	3340	850	3230	6150	6560	1900
1956	6	897.0	30	178	431	275	100	1190	2890	2850	660	2440	5920	5600	1380
1956	7	909.0	31	212	519	365	101	1600	3930	3240	550	3190	7830	6120	1230
1956	8	261.0	31	293	207	421	239	2130	1510	5370	1720	4270	3010	10100	3510
1956	9	89.5	30	415	100	528	265	2910	703	3690	2000	5650	1370	7180	3980
	Data Avg.	1900.0	366	109	560	528	23	698	3580	5370	105	1480	7610	10100	312
1956	10	125.0	31	207	70	323	143	2340	794	7450	1260	4440	1500	13500	2500
1956	11	246.0	30	155	103	174	144	1330	880	1560	1040	2700	1790	3130	2170
1956	12	210.0	31	173	98	176	170	1560	887	1700	1500	3150	1790	3430	3020
1957	1	214.0	31	179	104	198	173	1460	846	1850	1320	3090	1790	3850	2830
1957	2	311.0	28	161	135	168	158	1280	1080	1500	1120	2690	2260	3070	2400
1957	3	407.0	31	189	208	233	173	1430	1570	2380	1160	2990	3290	4630	2560
1957	4	14500.0	30	96	3780	223	25	583	22900	2400	230	1290	50500	4580	581
1957	5	58100.0	31	99	15500	222	33	340	53400	1250	134	863	135000	2640	396
1957	6	61100.0	30	111	18300	228	74	322	53100	600	135	850	140000	1320	460
1957	7	27200.0	31	127	9320	233	56	341	25100	780	148	914	67100	1830	458
1957	8	3610.0	31	207	2020	268	169	953	9300	1320	780	2080	20300	2820	1780
1957	9	6770.0	30	160	2930	217	111	716	13100	1150	350	1600	29300	2500	1010
	Data Avg.	14400.0	365	113	4400	323	25	391	15300	7450	134	975	38100	13500	396

STATION: ARKANSAS RIVER AT VAN BUREN, ARKANSAS

NUMBER: 403 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1945	10	95700.0	31	26	6690	61	20	85	21900	292	54	301	78000	784	228
1945	11	10300.0	30	60	1670	64	57	419	11600	480	355	943	26200	1020	838
1945	12	6940.0	31	69	1300	71	68	540	10100	568	510	1120	21100	1170	1070
1946	1	47600.0	31	35	4560	66	24	187	24100	560	85	484	62200	1140	283
1946	2	51100.0	28	28	3830	55	20	118	16300	290	77	335	46300	726	237
1946	3	29600.0	31	57	4550	63	49	258	20700	293	214	666	53300	729	585
1946	4	28200.0	30	45	3410	65	24	241	18400	378	121	624	47500	925	335
1946	5	70900.0	31	22	4290	28	18	86	16500	142	57	276	52800	394	217
1946	6	35400.0	30	39	3740	70	22	160	15300	410	73	442	42300	963	243
1946	7	18500.0	31	48	2380	66	35	208	10400	369	142	549	27500	887	396
1946	8	5110.0	31	53	735	55	51	332	4580	530	260	795	11000	1030	700
1946	9	6170.0	30	77	1290	116	45	448	7470	473	430	951	15800	986	933
	Data Avg.	33700.0	365	35	3200	116	18	162	14800	568	54	442	40300	1170	217
1946	10	9680.0	31	140	3670	214	91	473	12400	782	250	1130	29500	1610	853
1946	11	38200.0	30	36	3690	73	21	157	16200	450	82	420	43400	938	261
1946	12	56200.0	31	34	5230	89	17	150	22800	415	67	412	62500	908	239
1947	1	9850.0	31	73	1950	104	49	437	11600	660	254	971	25800	1370	648
1947	2	6290.0	28	120	2040	134	114	588	10000	675	550	1260	21400	1430	1190
1947	3	14200.0	31	107	4080	117	94	486	18600	538	478	1060	40800	1170	1030
1947	4	120000.0	30	45	14700	118	38	135	44000	500	87	428	139000	1090	335
1947	5	116000.0	31	44	13700	78	38	116	36400	249	87	378	118000	686	311
1947	6	57900.0	30	63	9850	100	41	147	23000	245	99	477	74700	664	347
1947	7	21300.0	31	94	5410	176	45	209	12000	550	93	636	36600	1270	349
1947	8	7380.0	31	113	2250	135	94	312	6220	420	222	832	16600	962	678
1947	9	6390.0	30	56	971	68	37	364	6300	510	168	780	13500	1020	433
	Data Avg.	38700.0	365	54	5650	214	17	175	18300	782	67	497	51900	1610	239
1947	10	5040.0	31	52	706	65	37	327	4460	568	187	784	10700	1110	516
1947	11	5280.0	30	55	790	63	46	471	6730	722	360	1010	14400	1340	882
1947	12	7420.0	31	47	948	80	29	325	6520	650	162	736	14800	1240	401
1948	1	12000.0	31	31	1000	72	17	241	7810	540	132	574	18600	1110	358
1948	2	17600.0	29	33	1550	50	25	276	13100	420	188	644	30700	961	488
1948	3	53900.0	31	46	6630	62	26	236	34300	315	170	581	84700	747	441
1948	4	20200.0	28	65	3570	90	44	219	12000	352	151	587	32100	855	423
1948	5	25600.0	31	47	3280	70	30	252	17500	405	131	609	42100	927	362
1948	6	70400.0	30	35	6560	73	28	113	21500	513	59	358	68100	993	256
1948	7	109000.0	31	35	10200	49	28	107	31500	258	59	342	101000	641	243
1948	8	65200.0	31	47	8260	125	30	127	22400	312	63	385	67900	842	253
1948	9	9970.0	30	98	2650	111	80	350	9440	478	280	860	23200	1030	697
	Data Avg.	33700.0	364	42	3860	125	17	172	15700	722	59	467	42500	1340	243

STATION: ARKANSAS RIVER AT VAN BUREN, ARKANSAS

NUMBER: 403 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1948	10	6140.0	31	77	1290	105	64	387	6420	555	310	891	14800	1180	740
1948	11	9750.0	30	84	2210	112	68	388	10200	595	308	887	23400	1270	740
1948	12	9260.0	31	102	2560	116	93	566	14200	778	475	1190	29900	1560	1020
1949	1	26900.0	31	42	3080	137	18	203	14700	600	67	521	37800	1320	241
1949	2	112000.0	28	37	11100	57	26	114	34600	240	77	335	101000	570	245
1949	3	49700.0	31	68	9210	102	44	234	31400	365	135	605	81300	908	395
1949	4	36500.0	30	69	6780	86	58	214	21100	258	159	596	58800	682	490
1949	5	128000.0	31	58	20000	97	34	143	49600	258	74	456	158000	740	307
1949	6	89900.0	30	74	17900	123	49	151	36700	193	119	469	114000	628	359
1949	7	34400.0	31	91	8420	146	50	204	19000	320	114	586	54500	830	365
1949	8	12700.0	31	107	3660	140	93	354	12200	565	240	875	30100	1210	672
1949	9	14300.0	30	99	3830	143	58	397	15300	605	200	915	35300	1270	576
	Data Avg.	43600.0	365	63	7480	146	18	187	22000	778	67	520	61300	1560	241
1949	10	14000.0	31	85	3230	113	65	394	14900	682	290	908	34400	1320	768
1949	11	8130.0	30	100	2200	120	79	412	9050	508	310	955	21000	1140	778
1949	12	8360.0	31	108	2440	130	69	506	11400	738	330	1110	25200	1500	781
1950	1	32700.0	31	38	3350	77	25	166	14700	332	94	418	37000	771	286
1950	2	33100.0	28	40	3560	59	33	156	13900	272	133	405	36200	652	354
1950	3	16400.0	31	74	3300	80	64	293	13000	350	248	735	32600	856	625
1950	4	13000.0	30	67	2360	91	56	326	11500	505	230	756	26600	1050	582
1950	5	89600.0	31	25	6040	51	19	96	23300	298	77	304	73500	726	264
1950	6	37000.0	30	45	4460	56	39	163	16200	242	102	494	49300	715	388
1950	7	79200.0	31	36	7670	63	29	127	27300	372	90	396	84900	881	314
1950	8	97400.0	31	43	11300	55	23	144	37900	196	102	428	113000	572	343
1950	9	68300.0	30	47	8740	69	33	119	21900	185	78	399	73700	552	295
	Data Avg.	41600.0	365	44	4900	130	19	160	18000	738	77	452	50800	1500	264
1950	10	19200.0	31	70	3660	121	55	220	11400	415	155	611	31700	998	462
1950	11	7780.0	30	106	2240	114	91	482	10100	605	445	1090	22900	1290	1010
1950	12	6510.0	31	115	2030	128	81	601	10600	720	452	1290	22700	1480	935
1951	1	7670.0	31	118	2450	145	93	654	13500	852	465	1380	28600	1740	1010
1951	2	43800.0	28	73	8670	123	53	196	23200	552	110	490	58000	1230	328
1951	3	36000.0	31	53	5180	92	44	179	17400	365	129	507	49400	893	400
1951	4	19900.0	30	73	3890	121	62	328	17600	608	288	801	43000	1300	699
1951	5	73700.0	31	67	13400	91	31	206	41100	319	81	609	121000	862	342
1951	6	83000.0	30	74	16700	133	57	132	29600	250	125	475	107000	749	411
1951	7	176000.0	31	41	19600	53	31	60	28600	95	39	276	131000	359	216
1951	8	25800.0	31	65	4510	87	54	166	11600	248	134	527	36800	707	468
1951	9	51800.0	30	40	5560	68	29	117	16400	240	89	385	53900	638	316
	Data Avg.	46000.0	365	59	7320	145	29	155	19200	852	39	474	58900	1740	216

STATION: ARKANSAS RIVER AT VAN BUREN, ARKANSAS

NUMBER: 403 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	23700.0	31	52	3360	82	35	152	9750	270	103	463	29700	726	321
1951	11	49000.0	30	43	5660	50	32	129	17100	169	89	405	53600	492	319
1951	12	25000.0	31	64	4320	81	53	176	11900	242	144	542	36700	711	458
1952	1	18000.0	31	90	4370	108	67	310	15100	418	258	809	39400	1010	694
1952	2	22600.0	29	87	5310	128	73	259	15800	422	208	697	42600	1020	596
1952	3	57400.0	31	52	8110	73	45	145	22500	422	93	449	69600	1020	331
1952	4	56000.0	30	51	7750	63	32	161	24300	210	94	487	73700	600	297
1952	5	30700.0	31	88	7320	124	58	270	22400	475	185	771	63900	1190	548
1952	6	18500.0	30	70	3490	91	66	216	10800	300	182	645	32200	811	572
1952	7	5490.0	31	87	1300	125	60	471	7000	745	248	1080	16100	1530	636
1952	8	4280.0	31	78	901	94	73	382	4410	540	288	911	10500	1230	728
1952	9	3380.0	30	76	699	89	62	379	3460	588	208	897	8210	1290	602
	Data Avg.	26100.0	366	62	4380	128	32	194	13700	745	89	561	39600	1530	297
1952	10	1720.0	31	75	347	81	72	353	1640	408	320	882	4100	986	788
1952	11	2480.0	30	67	449	89	47	416	2790	572	356	978	6550	1300	832
1952	12	3900.0	31	60	631	85	38	679	7160	1020	415	1440	15200	2130	979
1953	1	3550.0	31	87	839	112	57	712	6840	980	319	1530	14700	2150	712
1953	2	4390.0	28	84	993	97	70	680	8060	898	440	1430	16900	1870	941
1953	3	23800.0	31	32	2060	67	20	218	14000	767	72	529	33900	1590	246
1953	4	43700.0	30	30	3490	40	16	146	17200	212	53	418	49300	573	216
1953	5	39000.0	31	21	2230	27	17	93	9790	159	56	287	30300	425	214
1953	6	5350.0	30	65	934	87	49	407	5880	700	211	977	14100	1530	617
1953	7	16100.0	30	33	1460	78	28	294	12800	640	198	689	30000	1390	493
1953	8	6490.0	31	79	1380	100	62	587	10300	840	375	1270	22200	1710	748
1953	9	3750.0	30	86	875	137	64	538	5450	680	450	1210	12300	1510	1020
	Data Avg.	12900.0	364	38	1310	137	16	244	8490	1020	53	597	20800	2150	214
1953	10	4350.0	31	47	555	81	28	662	7780	830	359	1380	16200	1700	837
1953	11	5170.0	30	64	890	78	43	711	9950	944	359	1560	21800	2010	837
1953	12	5230.0	31	57	811	91	40	635	8980	1180	418	1320	18600	2360	955
1954	1	7520.0	31	35	719	96	15	367	7450	1310	45	799	16200	2740	183
1954	2	5360.0	28	56	804	90	15	679	9840	1140	260	1440	20800	2300	662
1954	3	3530.0	31	72	686	85	65	818	7810	1100	570	1670	16000	2180	1230
1954	4	4820.0	30	66	855	115	20	693	9020	3000	112	1490	19400	5830	313
1954	5	47400.0	31	28	3640	76	17	180	23100	660	90	481	61600	1480	304
1954	6	10400.0	30	87	2440	96	74	639	17900	780	465	1370	38400	1640	1080
1954	7	4080.0	31	66	732	82	46	364	4020	588	192	841	9280	1250	504
1954	8	2210.0	31	30	179	47	21	269	1610	540	173	649	3880	1160	473
1954	9	869.0	30	44	104	53	31	353	829	430	248	884	2080	1030	648
	Data Avg.	8460.0	365	45	1040	115	15	394	9010	3000	45	890	20400	5830	183

STATION: ARKANSAS RIVER AT VAN BUREN, ARKANSAS

NUMBER: 403 BASIN: ARKANSAS TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	2580.0	31	47	327	81	34	336	2340	945	150	774	5380	1860	428
1954	11	2730.0	30	52	382	62	38	233	1720	375	150	608	4490	876	428
1954	12	3860.0	31	38	393	65	22	191	2000	490	106	509	5320	1110	318
1955	1	8900.0	31	40	955	54	20	317	7620	880	82	713	17100	1640	236
1955	2	11400.0	28	31	962	52	19	246	7590	1320	98	589	18200	2620	275
1955	3	20800.0	31	26	1440	45	14	160	9020	480	26	437	24600	1110	144
1955	4	13800.0	29	29	1100	48	19	177	6610	640	59	457	17000	1350	218
1955	5	35000.0	31	66	6240	133	34	411	39000	730	285	955	90400	1530	692
1955	6	29000.0	29	77	6070	136	41	347	27200	820	155	867	68000	1820	459
1955	7	14500.0	31	114	4470	145	72	338	13300	570	240	862	33900	1230	691
1955	8	5430.0	31	86	1260	104	72	485	7120	900	355	1070	15700	1840	825
1955	9	5720.0	30	70	1090	95	45	471	7290	1040	265	1020	15800	2070	615
	Data Avg.	12800.0	363	59	2060	145	14	315	10900	1320	26	761	26300	2620	144
1955	10	24500.0	31	46	3080	96	36	213	14100	490	124	556	36800	1110	373
1955	11	4100.0	30	83	924	98	64	468	5190	705	310	1090	12100	1590	788
1955	12	3990.0	31	76	824	98	68	475	5120	650	385	1110	12000	1500	924
1956	1	3040.0	31	78	641	93	68	554	4560	720	375	1240	10200	1600	886
1956	2	6630.0	29	46	824	81	21	459	8230	1000	160	995	17800	2080	391
1956	3	3220.0	31	81	709	92	68	686	5980	895	530	1570	13700	2030	1280
1956	4	3150.0	30	75	635	96	41	651	5540	845	285	1430	12200	1850	702
1956	5	8950.0	31	49	1180	87	41	368	8910	745	170	903	21800	1580	509
1956	6	7120.0	30	63	1220	85	51	319	6130	420	195	776	14900	1010	560
1956	7	3510.0	31	66	624	89	51	422	4000	740	275	966	9170	1590	680
1956	8	2360.0	31	79	507	123	54	371	2370	880	116	883	5650	1840	398
1956	9	742.0	30	67	134	147	46	358	719	1230	170	894	1790	2570	541
	Data Avg.	5960.0	366	59	944	147	21	367	5910	1230	116	871	14000	2570	373
1956	10	492.0	31	65	86	91	48	382	508	605	265	965	1280	1370	730
1956	11	1260.0	30	62	212	114	49	616	2100	1880	368	1350	4600	3970	873
1956	12	2130.0	31	46	267	54	34	415	2380	760	142	960	5520	1630	386
1957	1	3600.0	31	34	331	60	20	157	1530	385	47	419	4080	950	184
1957	2	11200.0	28	25	770	48	18	65	1960	126	30	222	6730	359	134
1957	3	10000.0	23	29	795	40	16	94	2540	212	22	291	7870	551	110
1957	4	102000.0	7	24	6500	37	12	81	22500	124	54	279	77000	374	203
1957	5	195000.0	31	42	22000	72	27	106	55900	275	42	363	192000	697	238
1957	6	219000.0	30	39	23200	45	29	83	49000	112	52	324	192000	384	260
1957	7	82400.0	31	45	10100	104	39	93	20700	320	64	347	77300	862	283
1957	8	14500.0	31	86	3380	153	66	266	10400	390	180	727	28500	988	538
1957	9	21400.0	30	65	3780	109	50	219	12700	510	140	578	33400	1160	419
	Data Avg.	53200.0	334	42	6060	153	12	105	15000	1880	22	362	52000	3970	110

STATION: BELL COW CREEK AT CHANDLER, OKLAHOMA

NUMBER: 389 BASIN: ARKANSAS TRIBUTARY TO: DEEP FORK OF NO. CANADIAN OF CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	2.5	31	14		19	12	25		29	24	330	2	348	317
1948	11	1.2	30	11		11	10	23		24	20	343	1	347	337
1948	12	1.3	31	10		12	11	20		22	18	328	1	357	311
1949	1	14.6	31	27	1	30	11	9		20	7	156	6	330	123
1949	2	34.4	28	15	1	18	13	29	3	60	7	201	19	373	77
1949	3	5.6	31	19		21	16	94	1	230	42	455	7	644	378
1949	4	4.7	30	17		18	15	38		42	30	368	5	393	346
1949	5	143.0	31	12	4	17	8	26	10	53	14	228	88	408	143
1949	6	37.2	30	14	1	17	12	44	4	52	22	328	33	400	209
1949	7	7.4	31	13		16	12	21		31	18	267	5	357	217
1949	8	1.4	31	17		16	12	31		36	21	364	1	367	358
1949	9	1.9	29	12		26	10	14		20	5	275	1	343	151
	Data Avg.	21.3	364	14	1	30	8	29	2	230	5	247	14	644	77

STATION: BIRD CREEK NEAR SPERRY, OKLAHOMA

NUMBER: 281 BASIN: ARKANSAS TRIBUTARY TO: VERDIGRIS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1951	10	429.0	31	12	13	18	10	95	110	260	70	274	318	614	224
1951	11	1090.0	30	19	55	26	15	80	236	117	44	288	850	412	211
1951	12	104.0	31	31	9	36	29	203	57	268	152	587	165	730	478
1952	1	115.0	31	38	12	40	37	311	97	505	240	812	252	1160	684
1952	2	274.0	29	34	25	43	31	174	129	270	92	495	366	734	330
1952	3	1170.0	31	23	72	34	16	74	235	270	49	288	911	678	218
1952	4	747.0	30	28	56	42	24	102	206	432	43	359	725	993	208
1952	5	373.0	31	17	17	34	11	128	129	460	80	375	378	1120	259
1952	6	115.0	30	17	5	23	16	109	34	300	88	340	105	758	293
1952	7	25.2	31	22	1	26	18	298	20	505	205	774	53	1150	601
1952	8	6.0	31	17		24	12	604	10	910	300	1340	22	1850	731
1952	9	1.2	30	17		18	13	982	3	1090	800	1950	6	2150	1650
	Data Avg.	370.0	366	22	22	43	10	105	105	1090	43	345	345	2150	208
1952	10	0.6	31	21		21	18	1400	2	1510	1260	2750	5	2990	2500
1952	11	3.2	30	25		32	24	1570	13	1910	1200	2950	25	3590	2280
1952	12	3.1	31	23		26	21	1040	9	1490	850	2060	17	2800	1730
1953	1	3.4	31	24		25	22	1050	10	1180	938	2060	19	2290	1820
1953	2	13.1	28	24	1	33	19	1010	36	1290	765	2050	73	2470	1610
1953	3	246.0	31	20	13	28	16	232	154	1160	115	570	379	2380	337
1953	4	449.0	30	20	24	26	17	103	125	332	68	299	363	752	220
1953	5	788.0	31	15	32	22	13	46	98	142	38	195	415	408	168
1953	6	71.4	30	19	4	23	18	124	24	405	104	373	72	943	331
1953	7	124.0	31	8	3	21	5	100	33	500	60	276	92	1120	184
1953	8	6.1	31	10		13	6	211	3	275	151	506	8	632	356
1953	9	92.7	30	10	3	13	6	94	24	248	72	262	66	574	167
	Data Avg.	151.0	365	16	7	33	5	109	44	1910	38	314	128	3590	167

STATION: CANADIAN RIVER NEAR AMARILLO, TEXAS

NUMBER: 362 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	135.0	31	159	58	466	99	131	48	472	74	624	227	1700	434
1950	11	14.5	30	389	15	429	356	409	16	440	388	1560	61	1630	1480
1950	12	16.2	31	468	21	482	430	450	20	455	432	1710	75	1720	1680
1951	1	23.3	31	463	29	523	420	445	28	520	415	1670	105	1920	1550
1951	2	47.8	28	338	44	519	259	307	40	505	220	1270	164	1880	993
1951	3	28.7	31	459	36	514	351	405	31	430	350	1620	126	1700	1430
1951	4	14.8	30	322	13	484	138	365	15	455	248	1420	57	1730	1050
1951	5	120.0	25	207	67	277	140	193	62	250	162	855	276	1000	764
1951	6	221.0	30	168	100	309	107	139	83	268	79	670	400	1090	463
1951	7	549.0	31	173	257	642	116	122	181	482	80	646	958	1820	472
1951	8	77.2	31	148	31	480	85	103	21	322	56	601	125	1420	385
1951	9	30.6	30	169	14	308	129	125	10	238	102	760	63	1140	671
	Data Avg.	107.0	359	198	57	642	85	160	46	520	56	761	220	1920	385
1951	10	14.1	31	224	9	447	135	175	7	330	112	958	37	1360	792
1951	11	39.4	30	397	42	438	370	297	32	378	258	1290	137	1500	1150
1951	12	11.7	31	391	12	432	351	349	11	378	320	1480	47	1550	1410
1952	1	12.5	31	331	11	560	218	306	10	502	210	1350	46	1950	1090
1952	2	9.7	29	204	5	228	116	213	6	235	127	1110	29	1220	836
1952	3	12.1	31	187	6	488	109	182	6	392	118	1030	34	1660	827
1952	4	59.6	30	308	50	446	113	269	43	388	109	1170	188	1510	791
1952	5	33.9	31	255	23	446	126	222	20	388	126	1050	96	1510	853
1952	6	23.1	30	267	17	506	113	226	14	451	102	1080	67	1720	789
1952	7	262.0	31	190	134	196	159	178	126	193	128	867	614	922	772
1952	8	548.0	31	182	269	239	74	142	209	182	59	723	1070	874	452
1952	9	63.9	30	220	38	258		176	30	225	30	877	152	1110	285
	Data Avg.	91.7	366	209	52	560		174	43	502	30	853	212	1950	285
1952	10	10.0	31	147	4	170	126	151	4	179	125	954	26	1030	886
1952	11	11.0	30	179	5	407	129	180	5	375	134	1050	31	1590	903
1952	12	13.1	31	338	12	656	277	323	11	622	260	1460	52	2320	1270
1953	1	16.4	31	367	16	432	256	381	17	448	270	1540	68	1680	1230
1953	2	10.1	28	178	5	185	174	194	5	205	187	1110	30	1150	1090
1953	3	10.6	31	204	6	373	151	200	6	338	162	1120	32	1510	995
1953	4	10.0	30	147	4	150	140	166	4	183	159	1020	28	1100	994
1953	5	9.4	31	137	3	144	130	191	5	202	182	1030	26	1060	984
1953	6	9.0	30	118	3	120	117	167	4	174	158	947	23	964	936
1953	7	504.0	31	124	168	246	89	130	177	272	80	720	981	1030	453
1953	8	790.0	31	155	330	200	77	163	349	230	71	734	1570	957	438
1953	9	31.2	30	194	16	275	114	227	19	330	146	1030	87	1290	885
	Data Avg.	121.0	365	149	49	656	77	158	51	622	71	766	250	2320	438

STATION: CANADIAN RIVER NEAR AMARILLO, TEXAS

NUMBER: 362 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	73.9	31	118	24	119	83	118	24	150	75	599	120	892	414
1953	11	17.3	30	259	12	330	213	270	13	355	212	1190	56	1400	1060
1953	12	18.1	31	335	16	400	234	345	17	405	228	1410	69	1570	1110
1954	1	16.4	31	340	15	418	309	355	16	440	320	1440	64	1670	1370
1954	2	12.5	28	171	6	249	107	184	6	258	131	977	33	1140	831
1954	3	12.5	31	111	4	112	111	140	5	160	125	931	31	1030	845
1954	4	48.4	30	113	15	800	77	121	16	618	81	652	85	2310	465
1954	5	798.0	31	167	360	263	79	188	405	315	68	778	1680	1130	390
1954	6	33.5	30	139	13	356	109	146	13	350	120	761	69	1330	670
1954	7	621.0	31	150	252	181	115	160	268	207	120	754	1270	919	730
1954	8	268.0	31	139	101	330	82	156	113	390	78	654	473	1410	403
1954	9	30.4	30	190	16	314	103	244	20	525	142	1060	87	1550	850
	Data Avg.	165.0	365	158	70	800	77	174	77	618	68	765	341	2310	390
1954	10	1060.0	31	134	382	346	130	155	441	452	148	626	1790	1500	607
1954	11	17.9	30	372	18	387	354	413	20	440	375	1550	75	1590	1490
1954	12	10.7	31	277	8	305	227	288	8	320	235	1290	37	1350	1180
1955	1	14.8	31	370	15	370	370	400	16	400	400	1610	64	1610	1610
1955	2	14.0	28	324	12	402	170	356	14	440	190	1480	56	1720	998
1955	3	9.0	31	112	3	114	110	123	3	125	120	834	20	856	815
1955	4	611.0	30	117	193	117	110	112	185	122	102	796	1310	867	796
1955	5	1220.0	31	157	519	405	133	180	595	518	140	709	2350	1640	608
1955	6	317.0	30	115	99	412	88	121	104	450	86	543	465	1580	437
1955	7	445.0	31	100	121	210	82	109	131	262	86	518	624	940	446
1955	8	393.0	31	102	108	243	64	100	106	260	60	480	510	1050	283
1955	9	250.0	30	113	76	206	105	99	67	215	90	540	364	1020	477
	Data Avg.	367.0	365	132	131	412	64	143	142	518	60	649	644	1720	283
1955	10	54.5	31	167	25	296	144	167	25	315	140	748	110	1250	638
1955	11	11.4	30	134	4	144	125	124	4	132	110	863	27	876	832
1955	12	12.5	31	168	6	199	132	152	5	180	120	907	31	977	828
1956	1	14.6	31	236	9	370	153	242	10	390	152	1170	46	1560	953
1956	2	16.1	29	325	14	426	151	344	15	458	145	1390	61	1670	852
1956	3	14.8	31	135	5	138	132	124	5	128	118	847	34	874	820
1956	4	10.8	30	137	4	140	132	124	4	132	118	817	24	839	809
1956	5	508.0	31	236	325	466	99	280	384	500	112	1080	1480	1710	508
1956	6	157.0	30	167	71	314	99	180	76	308	112	734	311	1210	508
1956	7	410.0	31	101	112	551	89	118	130	572	108	540	598	1970	501
1956	8	61.7	31	133	22	180	62	149	25	245	59	643	107	876	372
1956	9	7.2	30	134	3	195	104	139	3	195	112	816	16	954	747
	Data Avg.	108.0	366	173	50	551	62	198	58	572	59	822	239	1970	372

STATION: CANADIAN RIVER NEAR AMARILLO, TEXAS

NUMBER: 362 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1956	10	7.2	30	103	2	96	93	103	2	110	105	668	13	705	673
1956	11	9.0	26	123	3	125	89	123	3	118	112	740	18	770	676
1956	12	10.9	31	136	4	142	120	136	4	132	120	781	23	809	769
1957	1	9.2	30	121	3	125	112	121	3	127	117	764	19	810	771
1957	2	11.5	24	161	5	300	111	161	5	332	104	997	31	1740	745
1957	3	16.2	31	251	11	866	124	274	12	945	134	1120	49	3000	724
1957	4	122.0	30	140	46	358	110	177	58	462	130	713	234	1560	555
1957	5	365.0	31	158	156	338	78	180	177	452	76	720	710	1440	432
1957	6	683.0	29	139	257	549	115	163	301	600	114	666	1230	2020	520
1957	7	164.0	27	122	54	330	78	123	54	342	78	615	272	1340	453
1957	8	1690.0	31	57	260	109	46	57	260	146	32	374	1710	608	293
1957	9	216.0	30	112	65	288	16	110	64	315	12	494	288	1140	252
	Data Avg.	286.0	350	96	74	888	16	103	80	945	12	512	395	3000	252

STATION: CANADIAN RIVER AT BRIDGEPORT, OKLAHOMA

NUMBER: 364 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	4.6	31	168	2	179	163	23		26	20	483	6	495	470
1948	11	252.0	30	233	159	318	201	121	83	238	33	706	481	999	468
1948	12	47.3	31	318	41	331	299	100	13	128	30	850	109	918	703
1949	1	202.0	31	371	202	464	291	78	43	230	24	823	449	1200	601
1949	2	1100.0	28	242	717	520	142	134	398	300	60	706	2100	1390	404
1949	3	384.0	31	377	391	407	332	186	193	235	142	1010	1050	1130	972
1949	4	192.0	30	389	202	596	276	116	60	154	27	893	464	1190	682
1949	5	4510.0	31	259	3160	464	209	125	1530	252	67	726	8850	1170	556
1949	6	2920.0	30	245	1930	289	200	122	960	138	108	721	5690	737	687
1949	7	1170.0	31	246	776	249	144	114	361	119	29	731	2310	736	429
1949	8	294.0	31	229	182	277	197	136	108	158	23	735	585	843	532
1949	9	300.0	30	249	202	284	212	138	112	178	35	762	618	850	603
	Data Avg.	947.0	365	259	664	596	142	125	321	300	20	739	1890	1390	404
1949	10	30.6	31	204	17	262	172	24	2	32	14	510	42	638	410
1949	11	18.0	30	260	13	274	249	15	1	18	14	680	33	698	670
1949	12	28.8	31	276	21	291	270	25	2	34	14	693	54	700	691
1950	1	69.8	31	350	66	420	298	133	25	198	107	963	182	1150	871
1950	2	65.3	28	392	69	424	217	124	22	178	69	982	173	1030	645
1950	3	24.5	31	322	21	345	295	33	2	53	14	771	51	830	719
1950	4	18.1	30	324	16	333	310	19	1	21	16	757	37	776	730
1950	5	47.7	31	207	27	407	88	30	4	93	10	525	68	982	278
1950	6	112.0	30	414	125	558	169	394	119	575	12	1390	421	1880	461
1950	7	4940.0	31	180	2410	344	82	159	2120	365	51	694	9270	1250	339
1950	8	2350.0	31	158	1000	197	106	117	742	170	33	589	3750	764	344
1950	9	1530.0	30	161	666	192	109	136	562	156	99	621	2570	705	464
	Data Avg.	779.0	365	178	375	558	82	144	304	575	10	666	1400	1880	278
1950	10	137.0	31	175	64	237	165	138	51	150	22	669	247	700	643
1950	11	20.2	30	262	14	279	247	16	1	16	15	679	37	708	658
1950	12	40.5	31	313	34	380	274	105	12	172	15	885	97	1010	682
1951	1	135.0	31	310	113	528	200	218	79	270	165	1070	390	1600	916
1951	2	295.0	28	335	267	458	289	193	154	208	104	1020	810	1300	866
1951	3	151.0	31	316	129	388	299	241	99	275	40	1050	428	1080	766
1951	4	23.9	30	356	23	428	307	70	5	134	21	858	55	1100	720
1951	5	4960.0	31	252	3380	318	203	61	817	185	29	691	9260	1030	520
1951	6	1760.0	30	183	869	368	79	110	526	182	54	627	2980	1150	351
1951	7	225.0	31	310	189	383	111	245	149	318	10	1060	646	1210	299
1951	8	26.8	31	237	17	281	220	119	9	230	21	646	47	1030	541
1951	9	66.9	30	211	38	408	98	33	6	149	12	541	98	1030	288
	Data Avg.	659.0	365	243	432	528	79	89	159	318	10	712	1270	1600	288

STATION: CANADIAN RIVER @ BRIDGEPORT, OKLAHOMA

NUMBER: 364 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1951	10	15.0	31	247	10	462	200	25	1	32	12	592	24	836	504
1951	11	51.6	30	308	43	354	263	72	10	98	17	767	107	883	628
1951	12	50.1	31	332	45	343	328	126	17	169	52	923	125	970	826
1952	1	76.8	31	342	71	537	319	236	49	325	26	1100	229	1590	844
1952	2	45.9	29	379	47	397	365	105	13	133	73	919	114	985	866
1952	3	150.0	31	385	156	410	363	220	89	232	78	1110	448	1140	852
1952	4	193.0	30	302	158	433	186	132	69	198	19	828	433	1040	471
1952	5	159.0	31	194	83	459	66	77	33	280	4	543	233	1340	192
1952	6	8.7	25	255	6	351	119	16		32	14	553	13	716	320
1952	7	3.5	20	106	1	231	100	14		38	14	317	3	522	307
1952	9	15.3	19	459	19	486	102	508	21	530	14	1690	70	1780	333
	Data Avg.	75.4	308	309	63	537	66	142	29	530	4	864	176	1780	192

STATION: CANADIAN RIVER AT BRIDGEPORT, OKLAHOMA

NUMBER: 364 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	5.3	26	125	2	138	108	13		18	12	417	6	439	370
1952	11	13.3	30	232	8	335	136	21	1	44	11	613	22	785	441
1952	12	17.7	31	279	13	300	262	15	1	18	13	650	31	684	622
1953	1	18.4	31	293	15	303	285	15	1	16	14	658	33	680	638
1953	2	23.3	28	332	21	416	285	111	7	328	29	851	54	1280	644
1953	3	37.1	31	355	36	403	216	127	13	186	32	912	92	1050	556
1953	4	20.3	30	334	18	436	276	25	1	40	14	717	39	881	628
1953	5	75.3	31	332	68	582	263	35	7	141	13	708	144	1170	582
1953	6	56.6	15	349	53	377	142	213	33	270	15	979	150	1100	371
1953	7	589.0	25	262	418	327	49	213	339	330	4	882	1410	1200	186
1953	8	580.0	31	342	537	375	176	365	573	402	24	1320	2060	1440	456
1953	9	14.2	25	216	8	279	127	202	8	305	18	820	32	1110	358
	Data Avg.	121.0	334	308	101	582	49	255	83	402	4	1050	344	1440	186
1953	10	473.0	31	191	244	226	64	174	222	215	15	739	945	849	331
1953	11	73.0	30	221	43	267	191	165	33	208	106	774	153	810	609
1953	12	53.4	31	262	38	315	174	131	19	185	76	798	115	936	507
1954	1	31.5	31	309	26	342	302	130	11	315	80	892	76	1240	828
1954	2	42.3	28	269	31	303	261	189	22	242	18	932	107	1020	622
1954	3	18.1	31	291	14	300	278	16	1	16	16	648	32	660	622
1954	4	34.1	30	257	24	280	250	17	2	18	14	626	58	700	600
1954	5	1760.0	31	234	1120	292	174	191	911	410	97	838	3990	1380	567
1954	6	128.0	30	291	101	326	113	192	66	282	18	938	324	1140	364
1954	7	54.8	31	339	50	342	221	468	69	478	20	1480	219	1500	511
1954	8	24.4	31	236	16	312	78	355	23	510	18	1130	74	1550	280
1954	9	11.6	30	228	7	309	37	330	10	468	16	1070	33	1430	227
	Data Avg.	229.0	365	234	144	342	37	190	117	510	14	837	518	1550	227
1954	10	217.0	31	341	199	612	40	470	275	825	14	1480	868	2450	216
1954	11	8.9	30	168	4	189	144	23	1	30	20	507	12	559	459
1954	12	10.1	31	185	5	203	174	17		33	16	538	15	555	496
1955	1	14.6	31	250	10	264	220	16	1	22	10	620	24	648	527
1955	2	20.4	28	272	15	323	226	31	2	92	16	655	36	833	587
1955	3	15.0	31	298	12	403	284	19	1	52	15	662	27	820	541
1955	4	13.9	30	287	11	304	277	18	1	35	16	700	26	715	622
1955	5	3120.0	31	207	1750	380	30	196	1660	472	14	820	6920	1570	173
1955	6	1180.0	29	188	600	280	47	137	439	260	28	654	2090	1060	227
1955	7	512.0	31	153	211	308	54	109	150	340	31	538	744	1190	250
1955	8	270.0	31	202	147	254	137	233	170	302	18	845	616	1020	420
1955	9	25.6	30	162	11	248	91	23	2	44	10	411	28	493	308
	Data Avg.	454.0	364	204	250	612	30	185	227	825	10	782	959	2450	173

STATION: CANADIAN RIVER AT BRIDGEPORT, OKLAHOMA

NUMBER: 364 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	1030.0	31	91	253	289	44	70	195	380	16	380	1060	1300	196
1955	11	27.5	30	303	22	318	291	22	2	22	22	716	53	752	667
1955	12	21.8	31	317	19	340	308	25	1	27	22	723	43	783	676
1956	1	22.1	31	322	19	329	297	31	2	82	25	739	44	775	659
1956	2	62.5	29	315	53	413	233	255	43	360	24	1080	182	1290	615
1956	3	20.7	31	332	19	366	316	40	2	135	20	827	46	1440	746
1956	4	15.5	30	333	14	371	324	21	1	41	18	751	32	825	664
1956	5	383.0	31	308	318	399	245	897	928	1450	21	1540	1590	1950	717
1956	6	159.0	30	259	111	415	222	304	131	460	34	1060	455	1550	575
1956	7	108.0	31	317	93	361	138	446	130	450	28	1450	424	1460	446
1956	8	28.4	31	249	19	304	169	225	17	430	34	894	68	1400	492
1956	9	0.3	30	375		380	380	12		18	18	674		670	670
	Data Avg.	158.0	366	185	79	415	44	286	122	1450	16	786	336	1950	196
1956	10	24.3	31	137	9	172	48	30	2	77	14	381	25	421	338
1956	11	8.8	30	168	4	177	158	14		28	12	505	12	520	461
1956	12	12.8	31	231	8	233	203	29	1	16	14	578	20	596	569
1957	1	14.3	31	259	10	354	241	26	1	40	14	699	27	892	635
1957	2	17.4	28	276	13	298	207	21	1	33	13	659	31	720	499
1957	3	244.0	31	247	163	300	215	314	207	430	32	1010	664	1340	590
1957	4	1210.0	30	198	649	290	113	101	332	395	12	605	1980	1240	348
1957	5	3470.0	31	225	2110	259	160	220	2070	395	98	867	8140	1270	650
1957	6	1620.0	29	203	891	304	31	185	811	332	20	768	3360	1080	245
1957	7	29.2	31	279	22	332	212	190	15	320	19	925	73	1180	648
1957	8	1120.0	31	201	611	259	172	208	631	235	191	887	2690	998	769
1957	9	261.0	30	156	110	281	127	177	125	370	33	713	502	1560	465
	Data Avg.	672.0	364	212	384	354	31	193	351	430	12	808	1470	1560	248

STATION: CANADIAN RIVER NEAR SANCHEZ, NEW MEXICO

NUMBER: 352 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1940	10	13.3	29	382	14	461	292	20	1	21	19	733	26	837	616
1940	11	18.8	29	530	27	556	366	28	1	30	24	942	48	971	737
1940	12	60.7	29	568	93	620	486	27	4	29	23	1010	166	1090	904
1941	1	57.0	31	558	86	608	523	26	4	28	25	995	153	1060	948
1941	2	87.6	27	696	165	807	561	28	7	33	23	1240	214	1320	1195
1941	3	261.0	31	347	244	925	298	16	11	41	14	653	460	1340	560
1941	4	497.0	27	230	308	257	207	12	17	14	10	520	698	542	466
1941	5	4780.0	30	121	1560	150	85	6	79	7	5	319	4120	369	264
1941	6	1650.0	30	151	676	456	124	8	34	30	6	365	1630	880	323
1941	7	912.0	31	157	387	207	140	8	21	11	7	385	950	452	354
1941	8	672.0	14	217	394	217	217	10	18	10	10	481	873	481	481
1941	9	2080.0	26	96	540	420	34	4	25	20	2	358	1060	756	335
	Data Avg.	937.0	334	148	376	925	34	7	19	41	2	346	876	1340	323
1941	10	870.0	31	229	539	302	192	12	29	15	11	501	1180	624	439
1941	11	650.0	8	229	402	229	229	14	25	14	14	512	900	513	513
1941	12	258.0	12	377	263	377	377	19	13	19	19	746	520	747	747
1942	2	408.0	20	520	573	522	498	24	26	24	22	952	1050	955	920
1942	3	109.0	29	574	169	615	532	24	7	25	23	1020	299	1070	963
1942	4	271.0	15	428	313	522	376	20	14	23	18	792	580	934	713
1942	5	1610.0	25	159	692	177	141	11	49	13	10	389	1690	416	358
1942	6	412.0	28	279	311	393	214	16	17	20	13	572	636	724	479
1942	7	197.0	31	420	224	568	93	22	12	28	9	742	395	968	697
1942	8	327.0	31	272	241	528	146	15	13	27	11	458	405	910	162
1942	9	5550.0	30	242	3620	468	114	13	199	26	7	486	7280	864	284
	Data Avg.	1100.0	260	251	743	615	93	14	41	28	7	508	1510	1070	162
1942	10	684.0	30	426	788	541	223	22	40	28	14	771	1430	944	436
1942	11	295.0	30	526	420	593	469	27	22	30	26	954	762	1050	873
1942	12	192.0	15	595	309	612	588	29	15	31	23	1060	548	1090	1040
1943	1	198.0	1	627	336	628	628	29	15	29	29	1110	596	1110	1110
1943	2	167.0	28	651	293	678	628	30	13	31	29	1140	514	1170	1110
1943	3	125.0	31	758	256	843	705	35	12	38	33	1280	433	1390	1220
1943	4	62.1	30	995	167	1120	919	46	8	52	42	1590	267	1770	1480
1943	5	88.1	31	930	221	1160	705	41	10	57	37	1500	357	1840	1200
1943	6	38.3	30	677	70	1060	563	45	5	69	31	1470	152	2320	976
1943	7	94.7	31	608	156	919	576	35	9	46	29	998	255	1480	978
1943	8	236.0	31	494	315	1260	318	22	14	58	15	868	554	1950	617
1943	9	40.7	30	599	66	865	512	31	3	45	27	1040	114	1430	910
	Data Avg.	183.0	318	559	276	1260	318	28	14	69	14	981	485	2320	436

STATION: CANADIAN RIVER NEAR SANCHEZ, NEW MEXICO

NUMBER: 352 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1943	10	35.7	31	788	76	982	777	40	4	51	32	1380	125	1570	1290
1943	11	55.4	30	797	119	856	766	40	6	42	38	1330	199	1410	1280
1943	12	62.5	21	788	133	844	722	39	7	42	36	1340	227	1440	1230
1944	1	61.7	25	608	101	698	571	32	5	37	30	1090	182	1240	1020
1944	2	117.0	29	763	241	812	682	36	11	38	33	1290	407	1350	1180
1944	3	64.8	31	750	131	792	733	37	6	38	35	1240	217	1300	1200
1944	4	160.0	28	622	269	1270	519	27	12	37	26	954	412	1310	925
1944	5	753.0	31	200	406	255	165	9	17	11	7	437	889	530	385
1944	6	271.0	30	255	186	493	104	12	9	25	7	505	370	875	272
1944	7	192.0	31	357	185	685	113	16	8	21	7	640	332	729	272
1944	8	133.0	29	441	158	651	174	18	7	26	9	927	169	1070	708
1944	9	26.0	30	711	50	817	588	34	2	38	32	1110	78	1130	1010
	Data Avg.	166.0	346	385	173	1270	113	18	8	51	7	677	304	1570	272
1944	10	181.0	30	473	231	826	438	23	11	38	21	832	407	1340	794
1944	11	81.7	30	575	127	590	562	29	6	30	27	1000	222	1030	991
1944	12	60.8	31	635	104	656	600	31	5	32	30	1110	182	1140	1050
1945	1	67.7	31	601	110	630	565	30	5	31	29	1050	192	1090	1000
1945	2	78.6	28	683	145	687	679	31	7	34	29	1150	245	1160	1140
1945	3	50.3	31	740	101	751	722	36	5	37	35	1240	168	1260	1210
1945	4	47.0	29	769	98	1090	465	36	5	48	23	1270	161	1730	842
1945	5	149.0	31	218	88	358	157	12	5	19	8	472	190	679	373
1945	6	37.9	29	449	46	549	155	25	3	30	12	813	83	948	400
1945	7	67.3	31	756	137	1360	155	34	6	56	12	1240	226	2120	400
1945	8	366.0	31	365	361	675	180	16	15	31	11	664	658	1130	472
1945	9	67.4	30	276	50	398	249	17	3	22	16	561	102	750	522
	Data Avg.	105.0	362	469	134	1360	155	22	6	56	8	833	237	2120	373
1945	10	82.7	31	385	86	412	355	22	5	24	21	719	161	764	681
1945	11	29.6	30	458	37	542	403	25	2	28	22	840	67	970	752
1945	12	27.7	31	568	43	645	475	34	3	36	32	1020	76	1120	885
1946	1	35.7	31	714	69	719	711	35	3	36	33	1220	118	1230	1210
1946	2	48.8	28	719	95	758	682	36	5	37	34	1220	160	1260	1180
1946	3	49.6	30	742	99	874	589	40	5	42	37	1230	165	1410	1020
1946	4	9.1	30	417	10	539	294	26	1	32	21	793	19	975	628
1946	5	1.7	31	792	4	1130	623	41		56	34	1340	6	1820	1100
1946	6	4.6	30	459	6	902	308	24		48	16	821	10	1520	580
1946	7	13.9	31	579	22	893	129	34	1	47	10	1010	38	1460	316
1946	8	1150.0	31	220	682	1100	193	9	27	58	7	394	1220	1000	422
1946	9	581.0	30	212	333	376	138	10	16	21	8	447	702	725	341
	Data Avg.	171.0	364	269	124	1130	129	12	6	58	7	498	230	1820	316

STATION: CANADIAN RIVER NEAR SANCHES, NEW MEXICO

NUMBER: 352 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	15.9	18	482	21	574	153	32	1	32	32	1000	34	1030	992
1947	11	18.0	30	911	44	940	872	45	2	47	42	1490	73	1540	1430
1947	12	31.9	31	791	68	872	628	39	3	42	34	1340	115	1460	1120
1948	1	43.6	31	788	93	875	693	37	4	40	35	1330	157	1470	1200
1948	2	202.0	29	433	236	778	256	19	10	37	11	781	427	1310	517
1948	3	203.0	31	552	303	562	534	28	15	29	26	962	527	984	914
1948	4	147.0	30	345	137	428	292	17	7	22	15	656	261	791	572
1948	5	333.0	31	310	279	632	229	13	11	24	10	616	555	1110	494
1948	6	1060.0	30	216	620	351	194	10	29	17	9	481	1380	663	430
1948	7	106.0	31	396	113	785	263	20	6	37	15	718	205	1290	523
1948	8	111.0	31	341	102	630	84	17	5	29	6	652	196	1060	288
1948	9	3.1	29	599	5	640	507	34		35	30	1060	9	1110	934
	Data Avg.	195.0	352	329	174	940	84	15	8	47	6	641	338	1540	288
1948	10	2.7	30	755	6	817	573	40		43	33	1300	10	1380	1050
1948	11	22.1	19	914	54	936	895	43	3	45	42	1500	90	1540	1470
1948	12	28.6	31	768	59	858	718	36	3	38	34	1290	100	1420	1210
1949	1	25.1	31	711	48	829	635	34	2	38	32	1220	83	1390	1110
1949	2	44.3	28	706	85	729	672	32	4	34	30	1190	142	1240	1130
1949	3	23.8	31	808	52	1110	643	36	2	49	29	1330	86	1760	1090
1949	4	25.0	29	988	67	1140	797	44	3	48	38	1590	107	1800	1310
1949	5	361.0	17	321	313	447	249	15	14	23	11	628	612	829	515
1949	6	579.0	28	331	518	723	268	14	22	32	11	643	1010	1210	552
	Data Avg.	112.0	244	411	124	1140	249	18	6	49	11	761	229	1800	515

STATION: CANADIAN RIVER AT TASCOSA, TEXAS

NUMBER: 713 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1948	6	1870.0	28	323	1640	452	280	87	439	135	73	781	3960	1010	697
1948	7	156.0	30	303	128	428	203	127	54	215	85	791	334	1110	570
1948	8	895.0	24	303	732	358	194	147	356	192	81	854	2070	985	579
1948	9	20.7	13	465	26	469	465	235	13	240	235	1200	67	1220	1200
	Data Avg.	831.0	95	317	711	469	194	106	238	240	73	803	1800	1220	570
1948	10	26.8	31	15	1	17	14	11	1	12	8	267	19	270	266
1948	11	84.5	30	17	4	17	17	7	2	7	5	250	57	250	245
1949	2	43.8	14	84	10	381	17	79	9	388	9	459	54	1380	251
1949	3	89.9	10	23	6	23	23	15	4	15	15	312	76	312	312
1949	4	388.0	12	295	309	295	295	202	212	202	202	990	1040	991	991
1949	5	1570.0	31	161	680	263	101	104	441	190	55	612	2590	876	460
1949	6	1750.0	30	127	598	260	16	91	431	248	12	524	2480	990	260
1949	7	1310.0	31	106	375	107	106	64	225	66	63	423	1500	447	419
1949	8	633.0	31	235	402	395	114	147	252	260	60	761	1300	1150	463
1949	9	392.0	30	386	409	395	382	260	275	266	260	1140	1200	1160	1130
	Data Avg.	730.0	250	161	318	395	14	106	210	388	5	596	1180	1380	245
1949	11	28.4	10	331	25	331	331	212	16	212	212	1030	79	1030	1030
1949	12	15.1	31	322	13	354	267	227	9	246	180	1060	43	1130	933
1950	1	17.6	31	328	16	355	257	301	14	349	174	1160	55	1270	894
1950	2	8.4	28	412	9	412	412	245	6	245	245	1190	27	1190	1190
1950	3	15.3	19	484	20	500	375	352	15	368	248	1470	61	1520	1170
1950	4	13.0	6	533	19	570	529	384	14	388	350	1580	55	1580	1570
1950	6	1030.0	18	173	482	269	60	114	318	192	16	636	1770	904	294
1950	7	3490.0	30	136	1290	208	97	102	966	168	66	551	5200	776	422
1950	8	787.0	31	158	336	337	115	103	218	266	70	567	1210	1060	447
1950	9	1310.0	30	122	435	228	67	61	217	210	39	434	1540	885	308
	Data Avg.	808.0	234	142	310	570	60	97	211	388	16	543	1190	1580	294

STATION: CANADIAN RIVER AT TASCOSA, TEXAS

NUMBER: 713 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	137.0	30	176	65	413	147	135	50	380	107	687	254	1410	603
1950	11	14.5	30	235	9	277	164	164	6	195	108	864	34	965	671
1950	12	16.2	31	259	11	303	134	220	10	285	121	966	42	1130	648
1951	1	23.3	31	273	17	277	270	290	18	311	241	1100	69	1150	1000
1951	2	47.8	28	220	28	300	167	175	23	275	117	827	107	1110	648
1951	3	37.2	21	438	44	604	420	336	34	560	270	1370	138	1980	1250
1951	4	19.9	13	345	19	405	325	338	18	510	255	1250	67	1600	1100
1951	5	1840.0	19	127	632	325	41	106	528	266	40	545	2710	1100	297
1951	6	223.0	30	180	108	441	108	132	79	410	83	677	407	1520	468
1951	7	560.0	31	172	261	293	121	125	188	218	85	668	1010	1000	512
1951	8	99.8	22	201	54	451	80	128	35	282	40	692	187	1280	350
1951	9	97.9	7	186	49	402	109	107	28	210	70	586	155	1070	413
	Data Avg.	237.0	293	159	102	604	41	123	79	560	40	630	404	1980	297
1951	10	13.5	11	412	15	412	412	292	11	292	292	1240	45	1240	1240
1951	11	27.8	30	386	29	393	384	240	18	272	225	1130	85	1220	1090
1951	12	7.3	16	307	6	393	193	214	4	272	136	1030	20	1220	777
1952	1	4.9	19	307	4	322	160	303	4	332	95	1160	16	1220	611
1952	2	1.8	6	136	1	164	133	45		106	33	554	3	638	534
1952	3	2.6	25	297	2	740	87	173	1	458	52	968	7	2060	456
1952	4	50.3	23	211	29	391	207	182	25	318	179	751	102	1290	738
1952	5	35.7	23	216	21	391	207	186	18	318	179	765	74	1290	738
1952	6	86.8	8	207	48	207	207	179	42	179	179	737	173	738	738
1952	7	326.0	24	122	107	303	105	100	88	298	76	517	455	1120	450
1952	8	1250.0	11	154	518	166	139	161	541	210	120	733	2470	878	615
1952	9	4.8	21	405	5	431	399	347	4	365	342	1330	17	1390	1310
	Data Avg.	118.0	217	162	52	740	87	149	48	458	33	691	220	2060	450
1952	10	2.1	7	413	2	415	415	273	2	275	275	1230	7	1230	1230
1952	11	1.6	22	405	2	423	332	402	2	430	288	1450	6	1520	1180
1952	12	3.6	27	377	4	404	362	471	5	522	442	1560	15	1600	1510
1953	1	7.1	28	376	7	386	328	536	10	620	285	1620	31	1760	1180
1953	2	1.4	14	255	1	299	240	175	1	200	164	904	3	1010	865
1953	3	2.3	14	272	2	272	272	181	1	180	180	899	6	901	901
1953	4	2.3	11	272	2	272	272	180	1	180	180	899	6	901	901
1953	5	1.9	7	415	2	415	415	469	2	470	470	1600	8	1600	1600
1953	6	1.8	5	411	2	415	415	466	2	470	470	1600	8	1600	1600
1953	7	613.0	25	88	145	176	80	84	138	195	74	444	736	809	413
1953	8	778.0	31	120	252	214	100	148	312	318	122	601	1260	1030	518
1953	9	29.0	22	191	15	298	177	242	19	650	186	889	70	1720	776
	Data Avg.	190.0	213	111	57	423	80	128	66	650	74	555	286	1760	413

STATION: CANADIAN RIVER AT WHITEFIELD, OKLAHOMA

NUMBER: 392 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	9	1060.0	30	160	458	284	42	1450	4150	3330	740				
	Data Avg.	1060.0	30	160	458	284	42	1450	4150	3330	740				
1944	10	3630.0	31	72	710	84	53	656	6440	1770	225				
1944	11	1050.0	30	42	118	55	30	2170	6140	3160	1380				
1944	12	2230.0	30	69	413	121	30	916	5510	1760	390				
	Data Avg.	2320.0	91	67	417	121	30	965	6040	3160	225				
1946	10	4100.0	31	199	2210	230	80	338	3750	1020	258	885	9810	1920	795
1946	11	8390.0	30	43	967	129	23	271	6140	1130	134	504	11400	1510	376
1946	12	19600.0	31	21	1090	110	14	162	8570	1280	78	407	21500	2370	256
1947	1	1690.0	31	90	408	121	64	1310	5950	1820	1150	2370	10800	3100	2120
1947	2	905.0	28	102	250	109	92	1670	4090	2040	1450	3000	7340	3570	2650
1947	3	1350.0	31	101	371	189	59	1700	6210	3000	760	2690	9830	4170	2190
1947	4	17200.0	30	41	1880	136	23	301	14000	1150	155	667	30900	2190	412
1947	5	35200.0	31	36	3440	99	23	142	13500	880	105	376	35800	1710	306
1947	6	11200.0	30	36	1100	81	20	201	6100	760	38	428	13000	1500	210
1947	7	3470.0	31	60	565	112	38	641	6010	1840	350	1150	10800	3150	667
1947	8	940.0	31	38	97	47	25	722	1830	1830	305	1350	3420	3100	688
1947	9	668.0	30	34	62	37	28	1530	2770	2620	430	2610	4720	4370	850
	Data Avg.	8780.0	365	44	1040	230	14	278	6590	3000	38	596	14200	4370	210

STATION: CANADIAN RIVER AT WHITEFIELD, OKLAHOMA

NUMBER: 392 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1947	10	534.0	31	35	50	77	10	1280	1850	3660	18	2030	2930	4710	732
1947	11	829.0	30	31	70	49	7	1640	3670	3320	22	2660	5950	5500	1610
1947	12	979.0	31	36	95	58	17	1130	2990	2300	10	1970	5210	3930	970
1948	1	2050.0	31	13	74	45	5	275	1530	2620	14	340	1890	4390	89
1948	2	5640.0	27	17	257	33	10	221	3380	2700	7	447	6810	1930	99
1948	3	11100.0	31	39	1160	49	20	334	9980	520	172	724	21600	978	405
1948	4	5680.0	30	48	743	55	35	1620	24900	2050	560	2790	42800	3490	1040
1948	5	6860.0	31	23	429	55	13	586	10900	2050	132	1100	20400	3490	349
1948	6	30300.0	30	25	2090	174	14	165	13500	1080	103	438	35900	2120	338
1948	7	14800.0	31	24	944	39	15	240	9590	575	125	560	22400	1050	396
1948	8	1940.0	31	92	481	164	5	967	5070	1400	80	1750	9170	2470	1520
1948	9	477.0	30	132	170	200	57	1370	1770	2380	915	2550	3290	4070	1900
	Data Avg.	6740.0	364	30	547	200	5	408	7430	3660	7	816	14900	5500	89
1948	10	231.0	31	40	25	45	36	2160	1350	2400	2050	3740	2340	4080	3570
1948	11	371.0	30	138	138	217	41	2350	2360	3180	1500	4160	4160	5400	2880
1948	12	605.0	31	74	121	82	68	3160	5160	4180	920	5320	8690	6970	1670
1949	1	1530.0	31	48	198	69	20	1910	7870	5150	298	3260	13500	8570	572
1949	2	14700.0	28	34	1360	48	21	359	14300	1280	222	742	29500	2200	501
1949	3	7190.0	31	45	866	105	21	556	10800	1450	225	1090	21200	2650	526
1949	4	3800.0	30	76	778	91	61	750	7700	1150	470	1440	14800	2060	979
1949	5	37200.0	31	44	4400	113	19	212	21300	695	110	531	53400	1260	308
1949	6	25000.0	30	49	3340	78	37	185	12500	555	107	506	34200	1100	339
1949	7	2850.0	31	101	774	146	52	646	4970	1650	305	1360	10400	2890	828
1949	8	928.0	31	107	269	173	75	1170	2930	3200	665	2200	5520	5400	1510
1949	9	2060.0	30	66	370	97	36	1020	5670	1950	402	1880	10500	3370	894
	Data Avg.	7980.0	365	49	1050	217	19	372	8030	5150	107	800	17300	8570	308
1949	10	1920.0	31	37	193	63	23	1220	6300	2600	555	2100	10900	4340	1040
1949	11	701.0	30	43	82	58	37	1840	3490	3100	712	3180	6020	5210	1310
1949	12	1240.0	31	48	161	86	30	1460	4890	3900	565	2520	8460	6520	1030
1950	1	6690.0	31	27	494	53	16	569	10300	1580	150	1090	19700	2710	415
1950	2	11700.0	28	32	1020	52	18	555	17600	1200	168	1080	34300	2110	437
1950	3	1430.0	31	66	256	73	52	1600	6170	2140	865	2810	10800	3710	1570
1950	4	2510.0	30	27	184	54	20	908	6170	3100	308	1620	11000	5180	648
1950	5	32200.0	31	16	1350	48	12	230	20000	1250	98	527	45900	2170	300
1950	6	3760.0	30	36	363	58	23	695	7060	1750	358	1370	13900	2980	853
1950	7	30400.0	31	43	3520	78	31	200	16400	1180	123	540	44300	2100	370
1950	8	12700.0	31	52	1770	71	23	285	9770	530	109	748	25700	1190	337
1950	9	20000.0	30	37	1990	87	18	166	8950	385	65	475	25600	995	244
	Data Avg.	10500.0	365	34	951	87	12	344	9730	3900	65	755	21400	6520	244

STATION: CANADIAN RIVER AT WHITEFIELD, OKLAHOMA

NUMBER: 392 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	2870.0	31	68	526	75	55	508	3950	1150	362	1230	9580	2640	946
1950	11	750.0	30	55	112	56	54	1960	3980	2380	1600	3790	7690	4420	3140
1950	12	603.0	31	53	86	54	51	2790	4550	2880	2650	5290	8620	5450	5070
1951	1	1200.0	31	83	268	107	63	2140	6940	3370	1420	4360	14100	6970	3100
1951	2	7330.0	28	35	689	95	25	445	8820	2320	200	969	19200	4590	479
1951	3	5780.0	31	48	754	93	27	560	8760	1160	242	1220	19100	2460	596
1951	4	2650.0	30	53	380	86	36	1130	8070	2220	455	2330	16700	4470	1000
1951	5	10600.0	31	100	2860	137	38	364	10400	1400	215	945	27100	3070	220
1951	6	16200.0	30	57	2470	88	38	223	9760	735	124	628	27400	1770	392
1951	7	4640.0	31	86	1080	105	73	425	5330	895	192	1050	13100	1980	569
1951	8	1270.0	31	77	265	87	62	572	1970	1660	382	1340	4600	3450	912
1951	9	1640.0	30	30	132	54	20	826	3660	1910	515	1710	7560	3760	1180
	Data Avg.	4600.0	365	65	804	137	20	510	6330	3370	124	1170	14500	6970	220
1951	10	732.0	31	28	56	42	17	1040	2060	1880	395	1990	3930	3480	822
1951	11	1810.0	30	31	152	41	22	1020	5000	2780	515	1890	9240	4620	1000
1951	12	613.0	31	48	79	69	40	1950	3220	3100	1450	3450	5720	5470	2640
1952	1	956.0	31	71	183	121	47	2600	6720	3420	1550	4660	12000	5840	3140
1952	2	1500.0	29	50	205	70	37	1920	7790	3340	1150	3580	14500	6290	2170
1952	3	6260.0	31	36	615	69	27	506	8570	2580	173	1060	17900	4480	468
1952	4	11600.0	30	25	781	56	14	338	10600	1590	128	789	24700	3310	380
1952	5	4780.0	31	52	672	99	27	562	7260	1210	215	1230	15900	2500	548
1952	6	2410.0	30	23	153	46	18	504	3290	1960	232	1100	7140	3880	561
1952	7	798.0	31	36	78	56	19	1700	3660	4940	352	3380	7280	9730	779
1952	8	273.0	31	31	23	36	24	1330	983	1980	720	2590	1910	3710	1450
1952	9	154.0	30	27	11	31	16	1560	649	2220	540	2890	1200	4080	1030
	Data Avg.	2650.0	366	35	251	121	14	694	4970	4940	128	1410	10100	9730	380
1952	10	39.0	31	26	3	29	25	1510	159	1680	1400	2870	303	3170	2670
1952	11	278.0	30	29	22	47	17	2120	1590	4190	675	3940	2960	7430	1320
1952	12	300.0	31	45	37	53	38	3600	2920	6500	1290	6640	5380	11800	2440
1953	1	182.0	31	48	24	51	46	4100	2020	4730	3770	7470	3680	8700	6890
1953	2	267.0	28	58	42	109	46	4150	2990	5170	2600	7440	5360	9180	4790
1953	3	6180.0	31	17	281	59	9	484	8080	5230	80	978	16300	9320	295
1953	4	11700.0	30	17	542	35	12	359	11400	1520	100	717	22800	2810	254
1953	5	7880.0	31	14	301	38	9	333	7090	962	89	754	16100	2060	263
1953	6	315.0	30	42	36	46	35	2470	2100	4290	980	4890	4160	8320	2000
1953	7	8200.0	31	12	265	40	9	405	8980	5570	104	850	18800	10100	293
1953	8	2110.0	31	64	365	213	17	984	5600	2700	325	2050	11700	5340	829
1953	9	1410.0	30	47	179	178	21	515	1970	2250	302	1080	4120	4190	680
	Data Avg.	3260.0	365	20	176	213	9	520	4590	6500	80	1060	9340	11800	254

STATION: CANADIAN RIVER AT WHITEFIELD, OKLAHOMA

NUMBER: 392 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	3510.0	31	38	362	89	15	812	7710	3810	322	1600	15200	6410	766
1953	11	2690.0	30	46	335	81	24	1140	8260	2520	430	2190	15900	4720	984
1953	12	1990.0	31	31	165	58	22	1120	6030	3590	630	2120	11400	6700	1260
1954	1	1590.0	31	27	117	57	14	1490	6440	3990	365	2710	11700	6930	744
1954	2	853.0	28	53	121	82	33	2720	6280	3840	1620	5080	11700	7110	3050
1954	3	625.0	31	42	70	51	20	3400	5740	5970	1300	6470	10900	11100	2680
1954	4	838.0	30	40	90	56	32	2310	5230	4540	1460	4460	10100	8480	2940
1954	5	23100.0	31	38	2340	114	7	337	21100	1290	134	783	48900	2540	361
1954	6	1760.0	30	71	338	118	21	1210	5770	3050	170	2430	11600	5630	448
1954	7	151.0	31	64	26	134	30	2240	914	2690	1430	4390	1790	5260	2800
1954	8	57.5	31	44	7	78	28	3520	547	4530	2350	6200	964	7730	4180
1954	9	14.9	30	17	1	21	16	1320	53	1900	725	2500	100	3500	1440
	Data Avg.	3140.0	365	39	334	134	7	729	6180	5970	134	1480	12600	11100	361
1954	10	191.0	31	150	77	324	14	1290	664	4430	675	2570	1320	7520	1410
1954	11	56.0	30	71	11	106	46	2200	334	2880	1450	4230	641	5490	2910
1954	12	435.0	31	25	29	64	15	1290	1520	3940	675	2390	2810	7190	1310
1955	1	686.0	31	42	77	51	33	2910	5400	5140	1400	5170	9580	8920	2480
1955	2	1720.0	28	25	118	56	13	1200	5570	7000	138	2260	10500	12600	357
1955	3	4210.0	31	24	268	42	16	566	6440	3590	140	1160	13200	6640	350
1955	4	2120.0	30	31	175	48	11	802	4600	1880	120	1620	9320	3660	281
1955	5	14000.0	31	25	953	197	15	371	14100	4780	278	904	34200	8550	719
1955	6	3500.0	30	98	923	212	39	835	7910	1750	490	1810	17100	3440	1080
1955	7	1320.0	31	124	441	153	49	791	2820	3120	405	1670	5930	5610	927
1955	8	901.0	31	108	262	158	48	1410	3440	3300	380	2690	6550	5980	802
1955	9	1870.0	30	28	141	62	23	867	4390	6260	305	1680	8480	11100	646
	Data Avg.	2600.0	365	41	291	324	11	677	4760	7000	120	1420	9980	12600	281
1955	10	4870.0	31	36	476	70	26	281	3710	1450	170	653	8600	2730	459
1955	11	246.0	30	74	49	79	70	2340	1550	2650	1800	4450	2960	4990	3460
1955	12	182.0	31	75	37	80	65	4010	1980	4480	2950	7320	3600	8160	5550
1956	1	199.0	31	77	41	81	48	4640	2490	6060	4180	8460	4550	11000	7620
1956	2	1230.0	29	51	170	128	35	1540	5120	6260	490	2880	9570	11500	1000
1956	3	246.0	31	82	55	117	39	2930	1940	4530	1820	5670	3760	8810	3520
1956	4	227.0	30	52	32	95	24	3170	1940	5030	780	6190	3790	9490	1560
1956	5	2660.0	31	33	236	60	19	1160	8330	5720	560	2350	16900	10300	1230
1956	6	1660.0	30	76	341	80	51	662	2970	4580	390	1450	6480	8610	937
1956	7	152.0	31	40	16	45	24	2180	893	2750	850	4110	1690	5130	1630
1956	8	45.5	31	87	11	152	22	1300	160	2500	900	2560	314	4610	1770
1956	9	2.7	30	27		29	21	1280	9	1350	1250	2490	18	2590	2430
	Data Avg.	980.0	366	46	122	152	19	977	2590	6260	170	1960	5180	11500	459

STATION: CANADIAN RIVER NEAR WHITEFIELD, OKLA. 40

NUMBER: 392 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1956	10	2.2	31	21		23	20	1350	8	1340	1320	2690	16	2650	2570
1956	11	163.0	30	45	20	71	19	2410	1060	8380	620	4480	1980	15000	1250
1956	12	278.0	31	40	30	60	33	2050	1540	4340	1400	3900	2930	8050	2740
1957	1	470.0	31	35	44	80	17	1300	1650	5330	400	2600	3310	10100	897
1957	2	1960.0	28	15	82	41	10	258	1370	810	102	630	3340	1760	307
1957	3	3050.0	30	22	181	62	14	312	2570	1060	130	731	6030	2160	328
1957	4	29800.0	30	16	1290	42	12	114	9200	380	74	364	29400	922	286
1957	5	46800.0	31	22	2840	81	6	99	12600	610	45	334	42200	1520	181
1957	6	42100.0	30	25	2860	64	16	105	12000	270	76	325	37000	618	252
1957	7	4430.0	31	43	517	60	31	273	3270	530	175	719	8610	1120	509
1957	8	2720.0	31	101	741	144	42	302	2220	405	218	824	6050	1000	620
1957	9	7000.0	30	22	425	96	17	140	2650	630	56	403	7620	1530	236
	Data Avg.	11600.0	364	24	756	144	6	134	4180	8380	45	396	12400	15000	181

STATION: CHIKASKIA RIVER NEAR CORBIN, KANSAS

NUMBER: 716 BASIN: ARKANSAS TRIBUTARY TO: SALT FORK

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	9	181.0	30	36	18	42	33	11	6	12	11	278	136	308	209
	Data Avg.	181.0	30	36	18	42	33	11	6	12	11	278	136	308	209
1950	10	73.2	31	43	8	44	42	14	3	14	13	312	62	314	308
1950	11	80.7	30	44	10	44	43	15	3	16	15	319	69	324	315
1950	12	83.5	31	44	10	46	43	15	3	16	14	319	72	333	308
1951	1	78.8	31	44	9	49	40	16	3	18	14	326	70	359	309
1951	2	108.0	28	40	12	60	35	14	4	18	12	316	92	491	272
1951	3	139.0	31	37	14	41	30	13	5	15	11	264	99	320	150
1951	4	210.0	30	37	21	43	25	13	7	15	9	270	153	313	191
1951	5	2260.0	31	18	107	43	12	8	51	15	6	162	990	318	127
1951	6	2050.0	30	16	88	41	9	6	34	13	3	137	762	311	71
1951	7	1500.0	31	17	67	38	8	5	21	14	2	134	543	303	58
1951	8	165.0	31	42	19	42	42	14	6	15	13	300	134	306	296
1951	9	525.0	30	21	30	46	14	8	11	14	6	207	293	308	160
	Data Avg.	609.0	365	20	33	60	8	8	13	18	2	170	279	491	58

STATION: CIMARRON RIVER AT MANNFORD, OKLAHOMA

NUMBER: 258 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	882.0	31	192	458	331	70	1990	4750	3780	900	3680	8770	6900	1690
1949	11	348.0	30	322	302	370	266	3570	3360	4320	2800	6480	6090	7740	5100
1949	12	294.0	31	381	302	393	367	4270	3390	4520	4050	7720	6120	8130	7340
1950	1	364.0	31	379	372	465	267	4100	4030	5500	2850	7440	7320	9840	5190
1950	2	371.0	28	381	382	479	235	4130	4130	5700	2350	7460	7470	10200	4300
1950	3	290.0	31	334	262	435	121	3830	3000	5150	1120	6850	5370	9160	2100
1950	4	334.0	30	180	163	411	81	2450	2210	5500	860	4370	3940	9590	1640
1950	5	2060.0	31	210	1170	491	104	914	5090	6050	355	1920	10700	10500	968
1950	6	1160.0	30	235	737	532	114	1460	4580	3680	790	2820	8840	6550	1610
1950	7	6080.0	31	171	2810	262	36	767	12600	3020	335	1620	26600	5310	739
1950	8	5850.0	31	146	2310	347	103	859	13600	2400	475	1750	27600	4590	1050
1950	9	2230.0	30	246	1490	432	112	1140	6870	1780	750	2350	14200	3540	1500
	Data Avg.	1710.0	365	196	903	532	36	1230	5660	6050	335	2420	11100	10500	739

STATION: CIMARRON RIVER AT MOCANE, OKLAHOMA

NUMBER: 246 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	486.0	19	88	116	166	67	165	216	370	113	558	732	1040	435
1946	11	170.0	30	134	62	193	40	313	144	422	162	715	328	1130	1060
1946	12	82.5	30	175	39	180	173	466	104	488	448	1220	271	1270	1180
1947	1	88.4	31	144	34	230	55	382	91	592	66	1050	251	1500	458
1947	2	86.6	28	181	42	203	163	542	127	595	485	1350	315	1470	1220
1947	3	114.0	31	175	54	178	173	541	167	565	490	1320	406	1380	1230
1947	4	126.0	30	162	55	167	159	494	168	508	490	1220	416	1250	1210
1947	5	88.6	31	147	35	174	121	450	108	508	345	1120	267	1230	976
1947	6	82.7	30	149	33	178	129	448	100	590	365	1110	248	1370	949
1947	7	87.9	31	163	39	182	137	416	99	595	280	1080	256	1390	891
1947	8	36.7	31	198	20	209	190	630	63	700	605	1480	147	1590	1440
1947	9	22.4	30	200	12	208	191	708	43	750	680	1610	98	1690	1560
	Data Avg.	111.0	352	143	43	230	40	386	116	750	66	992	297	1690	435
1947	10	42.9	31	192	22	199	181	640	74	665	620	1490	173	1530	1450
1947	11	72.7	30	177	35	180	174	565	111	590	550	1350	265	1360	1330
1947	12	92.5	31	188	47	202	178	579	145	620	550	1410	353	1490	1390
1948	1	84.8	31	212	49	251	195	612	140	840	530	1530	351	2010	1380
1948	2	105.0	29	172	49	186	158	542	154	605	465	1330	377	1480	1170
1948	3	78.7	31	171	36	177	163	512	109	540	495	1180	251	1260	1120
1948	4	54.5	30	187	28	190	184	545	80	570	530	1310	193	1360	1270
1948	5	58.6	31	193	31	195	192	575	91	592	568	1370	216	1390	1340
1948	6	152.0	30	163	67	194	131	284	117	495	198	920	379	1210	828
1948	7	53.9	31	149	22	167	91	466	68	528	265	1150	167	1250	760
1948	8	198.0	31	113	61	180	84	275	147	725	129	774	413	1610	496
1948	9	171.0	30	157	73	181	153	228	105	560	137	943	436	1320	814
	Data Avg.	96.9	366	164	43	251	84	426	112	840	129	1140	297	2010	496

STATION: CIMARRON RIVER AT OILTON, OKLAHOMA

NUMBER: 257 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	9	268.0	30	205	148	298	125	2460	1780	6800	535				
	Data Avg.	268.0	30	205	148	298	125	2460	1780	6800	535				
1944	10	1100.0	31	172	511	329	149	926	2750	4130	535				
1944	11	636.0	30	123	211	320	42	1420	2440	4760	352				
1944	12	1410.0	31	135	513	285	66	1380	5250	3450	538				
	Data Avg.	1050.0	92	146	414	329	42	1230	3490	4760	352				

STATION: CIMARRON RIVER AT PERKINS, OKLAHOMA

NUMBER: 253 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	4.1	31	236	3	246	219	2760	31	2850	2500	5300	59	5490	4770
1952	11	12.1	30	238	8	338	198	1770	58	2850	1120	3610	118	5000	2570
1952	12	77.4	31	486	102	615	363	4470	935	8370	1850	8310	1740	15000	3850
1953	1	130.0	31	526	184	702	414	5950	2090	9790	3940	10900	3820	17600	7430
1953	2	132.0	28	534	191	622	468	5870	2100	8910	4430	10600	3810	15900	8350
1953	3	279.0	31	312	235	570	147	3060	2300	8080	1230	5810	4370	14700	2450
1953	4	181.0	30	331	162	500	117	2980	1450	4920	710	5570	2720	9020	1470
1953	5	245.0	31	322	213	745	94	2100	1390	8720	458	4170	2760	16200	1040
1953	6	162.0	30	192	84	552	61	1260	551	5270	305	2560	1120	9860	741
1953	7	1050.0	31	326	925	641	34	1630	4630	3860	255	3320	9440	7650	566
1953	8	342.0	31	325	300	635	72	2570	2370	6950	420	4920	4540	12600	956
1953	9	173.0	30	210	98	528	93	1770	823	5860	730	3400	1590	10900	1480
	Data Avg.	234.0	365	332	210	745	34	2470	1570	9790	255	4770	3020	17600	566
1953	10	219.0	31	118	70	406	40	861	509	3490	245	1730	1020	6650	564
1953	11	579.0	30	94	147	417	28	828	1300	5120	136	1630	2550	9280	389
1953	12	365.0	31	222	219	433	114	2370	2330	4650	740	4430	4370	8460	1500
1954	1	118.0	31	448	143	511	439	4970	1590	7040	4630	9130	2910	12500	8600
1954	2	166.0	28	366	164	567	195	3850	1730	7140	890	7190	3230	13100	1930
1954	3	144.0	31	393	152	550	137	4130	1600	7150	1000	7660	2970	13100	2000
1954	4	95.2	30	466	120	674	192	4110	1060	5820	1900	7850	2020	10900	3540
1954	5	1470.0	31	282	1120	594	146	1850	7370	6550	550	3690	14700	12100	1470
1954	6	369.0	30	321	320	499	164	2500	2500	3610	1330	4850	4840	6790	2650
1954	7	21.6	31	432	25	481	318	3740	218	4330	2000	7170	418	8080	5610
1954	8	18.8	31	455	23	709	147	5210	264	8420	1120	10500	533	52300	2230
1954	9	77.1	30	117	24	323	39	1320	274	4160	284	2540	530	7370	668
	Data Avg.	305.0	365	257	212	709	28	2100	1730	8420	136	4060	3350	52300	389
1954	10	26.3	31	68	5	343	38	439	31	4560	122	942	67	8310	364
1954	11	2.2	30	260	2	274	249	3020	18	3340	2700	5800	34	6260	5240
1954	12	3.5	31	204	2	268	77	2350	22	3340	800	4360	41	6080	1660
1955	1	14.2	31	201	8	316	117	1700	65	2650	1000	3440	132	5180	2770
1955	2	62.3	28	423	71	630	323	4910	826	11500	2850	9440	1590	25000	5460
1955	3	28.5	31	429	33	642	306	4990	384	8370	3140	9260	712	15400	5950
1955	4	97.5	30	546	144	840	326	6770	1780	8610	2900	12600	3310	15800	5670
1955	5	8850.0	31	170	4060	735	19	1040	24800	8120	100	2160	51500	15300	311
1955	6	5810.0	30	143	2250	354	113	589	9250	2350	345	1310	20600	4620	856
1955	7	873.0	25	278	656	384	241	1570	3690	2450	900	3190	7520	4800	1980
1955	8	196.0	31	436	231	493	345	3370	1790	3980	1600	6480	3430	7530	3490
1955	9	203.0	29	308	169	569	151	1820	937	3880	750	3670	2010	7410	1700
	Data Avg.	1370.0	358	174	641	840	19	994	3670	11500	100	2070	7670	25000	311

STATION: CIMARRON RIVER AT PERKINS, OKLAHOMA

NUMBER: 253 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	4870.0	31	53	695	330	29	217	2860	2150	82	565	7430	4340	286
1955	11	166.0	30	371	166	377	366	2200	988	2300	2150	4840	2170	4890	4750
1955	12	134.0	30	390	141	406	375	2300	833	2500	2200	4700	1700	5030	4530
1956	1	140.0	31	442	167	484	388	3570	1350	3890	2400	6800	2560	7460	4650
1956	2	215.0	29	411	239	567	317	3900	2260	7240	2100	7350	4270	13300	4170
1956	3	110.0	31	466	138	510	267	4380	1300	5170	2100	8480	2520	9500	4080
1956	4	81.9	30	489	108	502	469	4580	1010	4880	3740	8790	1950	9380	7300
1956	5	106.0	31	360	103	460	216	2560	732	3640	1280	5070	1450	6920	2740
1956	6	245.0	30	386	256	673	80	2110	1400	4770	470	4250	2820	9120	1060
1956	7	287.0	30	436	338	673	155	2680	2080	5610	870	5270	4080	10500	1790
1956	8	62.7	31	750	127	851	564	3450	585	5220	2850	7090	1200	9930	6180
1956	9	28.5	31	495	38	626	308	2680	206	3340	1550	5290	408	6470	3170
	Data Avg.	544.0	365	143	210	851	29	881	1300	7240	82	1840	2710	13300	286
1956	10	60.4	31	110	18	446	30	594	97	3690	172	1290	211	7070	485
1956	11	33.6	30	165	15	223	108	1050	95	1820	650	2150	195	3640	1340
1956	12	16.7	31	266	12	278	254	2060	93	2200	1920	4080	184	4360	3850
1957	1	16.3	31	250	11	269	223	1820	80	1920	1700	3720	164	3970	3430
1957	2	26.3	28	281	20	371	263	1910	136	2950	1620	3950	281	5890	3410
1957	3	119.0	31	486	156	646	133	6630	2130	10900	3000	12100	3890	19600	5950
1957	4	3500.0	30	170	1610	556	83	957	9060	10400	248	2040	19300	18100	739
1957	5	17100.0	31	116	5380	482	25	408	18900	2220	80	983	45500	4590	277
1957	6	14000.0	29	172	6520	359	56	587	22300	1400	154	1380	52200	3060	458
1957	7	2990.0	31	275	2220	496	154	990	8010	2300	450	2210	17900	4760	1160
1957	8	460.0	31	405	503	582	281	2600	3230	3780	1550	5130	6380	7230	3140
1957	9	2040.0	30	230	1270	551	128	920	5070	4030	350	2010	11100	7670	927
	Data Avg.	3350.0	364	162	1470	646	25	633	5730	10900	80	1440	13000	19600	277

STATION: CIMARRON RIVER, OF CANADIAN, AT UTE PARK, NEW MEXICO

NUMBER: 330 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1945	10	16.4	31	15	1	16	15	4		4	4	168	7	170	164
1945	11	27.2	30	19	1	23	16	4		4	4	177	13	181	172
1945	12	12.3	31	16	1	17	15	4		5	4	171	6	175	166
1946	1	12.4	31	16	1	16	16	3		4	3	172	6	176	169
1946	2	12.7	28	15	1	16	15	4		4	4	167	6	171	164
1946	3	13.3	31	16	1	16	15	4		4	3	163	6	165	161
1946	4	54.0	30	14	2	15	13	4	1	4	3	165	24	170	142
1946	5	98.0	29	17	4	17	15	5	1	5	4	178	47	182	172
1946	6	130.0	19	17	6	19	16	4	1	5	4	184	65	185	183
1946	7	104.0	30	16	5	17	16	4	1	5	4	190	53	191	188
1946	8	47.5	31	16	2	16	15	4		4	4	192	25	194	188
1946	9	14.0	29	15	1	15	15	4		4	4	189	7	190	187
	Data Avg.	42.3	350	16	2	23	13	4		5	3	180	21	194	142
1946	10	10.3	31	18		19	17	5		5	5	190	5	195	185
1946	11	12.1	28	19	1	21	18	4		5	4	187	6	190	185
1946	12	8.2	31	18		19	17	5		5	4	182	4	187	176
1947	1	8.0	31	19		19	18	4		4	4	184	4	190	178
1947	2	7.5	28	18		19	17	5		6	5	184	4	187	178
1947	3	10.0	31	15		16	15	5		5	4	170	5	179	165
1947	4	51.5	30	16	2	16	15	5	1	5	4	174	24	181	169
1947	5	58.0	25	12	2	14	10	3	1	6	1	125	20	140	100
1947	6	76.1	28	15	3	16	15	4	1	4	4	180	37	185	174
1947	7	40.4	31	16	2	17	15	4		4	4	190	21	198	173
1947	8	62.9	29	16	3	17	16	4	1	4	4	194	33	196	187
1947	9	22.2	30	16	1	17	16	5		5	5	197	12	199	192
	Data Avg.	29.9	353	16	1	21	10	4		6	1	177	14	199	100
1947	10	30.9	31	18	2	19	18	5		6	5	200	17	202	199
1947	11	12.8	26	19	1	19	18	5		5	4	196	7	199	191
1947	12	7.4	22	18		20	18	5		5	5	191	4	196	190
1948	1	6.2	31	19		19	17	6		7	5	184	3	184	183
1948	2	27.8	28	17	1	19	17	6		6	5	181	14	181	180
1948	3	10.1	31	18		18	17	5		5	4	173	5	181	169
1948	4	25.3	30	13	1	15	11	4		4	4	124	8	152	110
1948	5	37.4	31	12	1	13	12	5		7	4	141	14	149	121
1948	6	41.0	30	14	2	16	10	4		5	3	152	17	176	105
1948	7	67.1	31	18	3	19	16	5	1	6	5	190	34	195	183
1948	8	45.8	30	18	2	19	17	5	1	6	5	193	24	196	191
1948	9	41.6	29	16	2	17	15	5	1	5	5	195	22	198	192
	Data Avg.	30.1	350	16	1	20	10	5		7	3	176	14	202	105

STATION: CIMARRON RIVER, OF CANADIAN, AT UTE PARK, NEW MEXICO

NUMBER: 330 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	34.7	28	18	2	21	16	5		6	5	199	19	202	196
1948	11	10.5	30	24	1	25	23	6		6	5	207	6	212	201
1948	12	6.9	27	17		19	16	5		5	4	182	3	191	178
1949	1	6.1	31	20		21	18	5		5	5	183	3	186	180
1949	2	6.0	27	18		22	17	6		7	4	182	3	188	176
1949	3	8.9	31	20		27	17	5		6	5	182	4	196	175
1949	4	23.4	30	14	1	16	13	4		4	4	146	9	165	141
1949	5	53.8	30	13	2	14	12	4	1	4	4	139	20	153	126
1949	6	80.4	30	15	3	16	14	4	1	5	4	169	37	175	161
1949	7	60.3	29	15	2	15	14	4	1	5	4	165	27	171	160
1949	8	34.2	31	16	2	18	15	5		5	5	187	17	192	182
1949	9	30.6	30	15	1	15	15	4		5	4	190	16	192	187
	Data Avg.	29.8	354	16	1	27	12	4		7	4	171	14	212	126
1949	10	29.2	30	15	1	15	14	5		6	5	184	14	188	180
1949	11	15.5	28	15	1	17	15	5		5	5	184	8	187	183
1949	12	5.8	31	16		17	15	4		5	4	183	3	184	182
1950	1	4.7	28	16		17	14	4		5	4	178	2	185	172
1950	2	6.0	28	16		17	16	5		5	5	176	3	178	173
1950	3	23.4	30	17	1	17	17	5		6	5	185	12	190	181
1950	4	53.8	30	17	2	17	16	5	1	5	4	188	27	189	187
1950	5	99.9	30	17	5	18	17	5	1	5	5	205	55	207	200
1950	6	63.6	29	18	3	19	16	5	1	6	5	205	35	220	191
1950	7	77.4	31	21	4	21	20	6	1	6	5	218	46	220	215
1950	8	76.4	30	32	7	38	19	2		5	1	265	55	285	215
1950	9	33.8	20	22	2	22	22	5		6	6	226	21	229	221
	Data Avg.	41.5	345	20	2	38	14	5	1	6	1	212	24	285	172

STATION: CROOKED CREEK NEAR NYE, KANSAS

NUMBER: 247 BASIN: ARKANSAS TRIBUTARY TO: CIMARRON

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	370.0	27	24	24	200	15	67	67	905	38	283	283	1930	216
1946	11	114.0	25	63	19	112	38	234	72	480	95	638	197	1140	357
1946	12	29.3	29	147	12	156	140	734	58	795	690	1620	128	1710	1540
1947	1	26.6	31	139	10	157	76	676	49	905	290	1480	106	1900	1440
1947	2	18.5	28	143	7	146	142	813	41	820	805	1730	86	1750	1720
1947	3	24.1	31	138	9	149	130	723	47	785	645	1570	102	1670	1430
1947	4	468.0	30	34	42	147	26	79	100	865	40	329	417	1800	250
1947	5	52.2	31	120	17	156	71	500	71	740	225	1170	166	1620	648
1947	6	18.4	30	159	8	166	155	996	49	1070	945	2030	101	2150	1960
1947	7	16.5	31	166	7	186	94	977	44	1200	480	2000	89	2390	1040
	Data Avg.	111.0	293	52	15	200	15	198	59	1200	38	553	166	2390	216

STATION: DEEP FORK AT BEGGS, OKLAHOMA

NUMBER: 390 BASIN: ARKANSAS TRIBUTARY TO: NORTH CANADIAN OF CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1951	11	272.0	7	24	18	25	24	394	290	535	330	884	651	1140	770
1951	12	105.0	31	34	10	40	30	486	138	650	360	1060	300	1370	814
1952	1	196.0	31	33	18	42	30	465	246	850	332	1020	541	1690	796
1952	2	359.0	29	26	26	37	21	302	293	790	137	675	655	1600	367
1952	3	1530.0	31	63	261	150	17	351	1450	780	80	376	1550	747	276
1952	4	1470.0	30	19	74	33	12	138	550	380	67	413	1640	924	274
1952	5	1370.0	31	15	56	42	10	103	381	555	34	346	1280	1300	206
1952	6	523.0	30	14	20	34	10	119	169	378	47	380	538	980	229
1952	7	226.0	31	18	11	45	10	221	135	1120	44	577	352	2330	207
1952	8	71.2	31	22	4	32	15	221	43	670	107	568	109	1360	352
1952	9	7.2	30	35	1	39	32	197	4	201	196	564	11	594	548
	Data Avg.	580.0	312	30	48	150	10	218	341	1120	34	445	697	2330	206
1952	10	.9	31	32		34	33	207	1	212	208	628	2	638	618
1952	11	13.3	30	31	1	40	28	772	28	1610	222	1540	55	2970	638
1952	12	26.1	31	66	5	92	54	762	54	1210	460	1570	111	2320	1040
1953	1	30.4	31	59	5	65	45	806	66	2900	485	1680	138	5200	1100
1953	2	41.2	28	57	6	60	50	761	85	1760	505	1610	180	3350	1120
1953	3	469.0	31	25	32	44	21	168	212	1450	104	465	589	2950	337
1953	4	1410.0	30	16	60	30	10	107	408	430	61	312	1190	930	218
1953	5	819.0	31	15	33	32	11	131	291	390	87	353	781	914	220
1953	6	59.0	30	30	5	40	24	556	89	1590	298	1260	200	3400	770
1953	7	838.0	31	9	21	36	7	58	132	970	30	197	445	2100	140
1953	8	320.0	31	12	10	14	10	84	72	375	51	269	232	836	199
1953	9	37.4	30	22	2	46	15	467	47	2300	89	1060	107	4680	306
	Data Avg.	341.0	365	16	15	92	7	134	124	2900	30	365	336	5200	140
1953	10	268.0	31	14	10	30	12	114	82	230	56	300	217	529	196
1953	11	153.0	30	19	8	31	14	122	51	182	64	357	148	513	222
1953	12	213.0	31	20	11	39	13	156	90	310	95	411	237	774	309
1954	1	42.1	31	42	5	45	36	490	56	695	375	1150	130	1520	941
1954	2	81.6	28	34	8	45	29	373	82	670	177	876	193	1470	517
1954	3	68.0	31	37	7	45	29	530	97	2780	280	1190	219	5340	690
1954	4	90.9	30	24	6	34	10	351	86	720	209	775	190	1490	389
1954	5	1900.0	31	9	49	25	6	73	374	238	43	250	1290	645	190
1954	6	83.2	30	24	5	31	11	249	56	940	152	643	144	1970	459
1954	7	5.6	31	34	1	34	32	324	5	348	312	804	12	858	772
1954	8	3.4	31	34		40	27	355	3	555	176	808	7	1180	380
1954	9	0.3	30	29		29	25	340		368	332	789	1	840	784
	Data Avg.	246.0	365	14	9	45	6	124	82	2780	43	352	234	5340	190

STATION: DEEP FORK AT BEGGS, OKLAHOMA

NUMBER: 390 BASIN: ARKANSAS TRIBUTARY TO: NORTH CANADIAN OF CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1954	10	0.0	31												
1954	11	0.0	30												
1954	12	0.5	31	19		28	16	724	1	1220	732	1490	2	2440	706
1955	1	10.0	31	35	1	45	23	1090	29	3000	410	2120	57	5340	978
1955	2	24.4	28	91	6	158	56	1110	73	1780	295	2360	156	3580	669
1955	3	36.3	31	63	6	100	35	688	67	1100	318	1460	143	2150	686
1955	4	37.0	30	60	6	79	35	500	50	875	335	1150	115	1840	813
1955	5	1910.0	31	12	60	84	7	52	268	2500	26	213	1100	5090	106
1955	6	189.0	30	33	17	51	20	137	70	485	105	448	229	1090	352
1955	7	37.2	31	41	4	54	19	299	30	2780	120	765	77	5310	440
1955	8	38.1	31	21	2	69	10	187	19	1200	130	436	45	2220	285
1955	9	12.2	30	34	1	49	3	189	6	285	44	518	17	768	87
	Data Avg.	194.0	365	16	9	158	3	98	51	3000	26	310	162	5340	87
1955	10	642.0	31	19	33	42	16	51	89	106	34	186	323	304	146
1955	11	20.5	30	45	3	59	36	125	7	170	92	477	26	604	377
1955	12	14.8	31	55	2	88	3	215	9	220	210	707	28	769	637
1956	1	18.7	31	87	4	90	86	201	10	210	185	732	37	790	691
1956	2	29.5	29	73	6	83	30	525	42	1880	205	1270	101	3680	671
1956	3	17.7	31	75	4	77	62	243	12	415	198	784	38	1080	714
1956	4	53.2	30	46	7	71	25	282	41	425	128	791	114	968	469
1956	5	157.0	31	21	9	43	10	245	104	1280	95	599	255	2340	238
1956	6	333.0	30	13	12	23	12	65	59	850	54	226	204	1690	198
1956	7	40.3	31	32	3	40	18	194	21	940	142	542	59	1880	452
1956	8	7.6	31	31	1	31	28	106	2	120	105	392	8	428	390
1956	9	0.0	30												
	Data Avg.	112.0	366	23	7	90	3	109	33	1880	34	330	100	3680	1.6
1956	10	0.0	31												
1956	11	4.4	29	29		34	10	673	8	2050	255	1260	15	3690	596
1956	12	15.4	31	72	3	102	12	360	15	1020	175	961	40	2930	496
1957	1	18.0	31	82	4	87	78	164	8	170	162	576	28	594	566
1957	2	20.3	28	73	4	79	51	237	13	320	170	729	40	859	524
1957	3	14.4	31	77	3	77	48	565	22	1700	192	1290	50	3300	542
1957	4	2470.0	30	12	80	54	4	88	588	1130	42	178	1190	2250	148
1957	5	7560.0	31	11	232	12	8	28	580	112	24	147	3000	349	126
1957	6	8900.0	30	8	201	14	6	33	794	45	5	185	4460	203	166
1957	7	780.0	31	14	30	40	9	111	233	435	62	347	732	1010	230
1957	8	58.0	31	38	6	41	32	415	65	920	290	1020	160	1860	733
1957	9	634.0	30	15	26	38	9	85	145	1900	50	251	430	3210	181
	Data Avg.	1710.0	364	11	49	102	4	45	206	2050	5	183	847	3690	126

STATION: DEEP FORK AT DEWAR, OKLAHOMA

NUMBER: 391 BASIN: ARKANSAS TRIBUTARY TO: NORTH CANADIAN OF CANADIAN

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	20.0	31	28	2	41	23	980	53	1220	740	1770	96	2170	1370
1948	11	24.1	30	45	3	49	35	887	58	1250	605	1650	107	2240	1200
1948	12	54.6	31	50	7	71	40	1010	149	1550	620	1850	274	2730	1230
1949	1	250.0	31	30	20	46	19	529	358	1040	117	1010	684	1880	322
1949	2	2420.0	27	17	111	31	14	128	834	455	81	328	2140	901	211
1949	3	945.0	31	26	67	31	21	202	515	380	110	486	1240	852	308
1949	4	596.0	30	24	38	30	19	222	357	432	158	543	874	890	422
1949	5	9300.0	31	10	246	31	8	46	1160	590	31	178	4470	1140	97
1949	6	6760.0	30	9	172	29	9	50	912	182	36	159	2900	491	122
1949	7	253.0	31	23	16	26	21	249	170	320	188	641	438	761	526
1949	8	73.9	31	33	7	39	25	410	82	665	335	941	188	1280	834
1949	9	217.0	30	21	13	36	16	259	152	555	111	587	344	1090	307
	Data Avg.	1730.0	364	12	58	71	8	84	395	1550	31	243	1140	2730	97
1949	10	300.0	31	29	24	58	14	221	179	825	125	521	422	1430	364
1949	11	109.0	30	20	6	25	14	200	59	365	118	490	144	786	338
1949	12	82.0	31	33	7	39	26	567	126	888	445	1180	262	1670	1020
1950	1	259.0	31	32	22	44	21	356	250	1110	159	796	558	2020	435
1950	2	528.0	28	25	36	37	20	237	338	525	129	556	794	1060	357
1950	3	185.0	31	31	15	49	21	329	165	610	114	755	378	1090	348
1950	4	751.0	30	21	42	41	19	132	267	460	111	381	773	1090	340
1950	5	4870.0	31	11	141	30	9	51	674	400	31	171	2250	1010	89
1950	6	725.0	30	17	33	19	14	123	240	565	73	361	707	1050	262
1950	7	4580.0	31	9	105	35	7	45	554	925	32	176	2180	1670	84
1950	8	1850.0	31	13	63	24	11	90	450	208	71	288	1440	529	230
1950	9	1670.0	30	13	60	33	11	84	380	442	54	274	1240	988	217
	Data Avg.	1340.0	365	13	46	58	7	85	307	1110	31	258	931	2020	84

STATION: ELK RIVER NEAR TIFF CITY, MISSOURI

NUMBER: 302 BASIN: ARKANSAS TRIBUTARY TO: NEOSHO

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	65.4	31	5	1	8	4	6	1	7	6	149	26	151	146
1947	11	97.6	30	5	1	6	4	9	2	9	9	156	41	159	149
1947	12	84.8	31	5	1	6	5	7	2	10	6	148	34	153	142
1948	1	173.0	31	6	3	7	5	6	3	9	6	150	70	153	148
1948	2	306.0	29	5	4	6	4	6	5	7	6	146	121	148	138
1948	3	1640.0	31	7	30	7	6	5	20	5	4	142	633	146	142
1948	4	447.0	30	7	8	7	6	5	6	6	4	139	168	145	134
1948	5	823.0	31	6	12	6	5	5	12	8	4	145	322	148	138
1948	6	1150.0	30	6	18	6	5	6	18	6	5	142	442	151	141
1948	7	1280.0	31	4	15	5	4	6	19	7	4	148	510	151	143
1948	8	1400.0	31	4	17	5	4	5	18	6	4	137	518	148	133
1948	9	304.0	30	4	3	4	4	5	4	7	4	139	114	160	123
	Data Avg.	651.0	366	5	10	8	4	5	9	10	4	143	251	160	123
1948	10	135.0	31	4	1	5	4	5	2	6	5	158	58	160	157
1948	11	262.0	30	5	4	5	5	6	4	6	5	152	107	153	148
1948	12	256.0	31	5	4	5	5	7	5	7	7	154	106	158	148
1949	1	964.0	31	6	15	6	6	6	14	8	4	150	389	156	148
1949	2	1880.0	28	6	33	7	6	4	20	5	3	142	720	149	138
1949	3	1110.0	31	6	19	7	5	5	14	6	5	138	415	143	137
1949	4	901.0	30	5	13	5	5	4	10	5	4	140	341	143	137
1949	5	2100.0	31	6	34	6	6	5	29	6	4	150	856	157	142
1949	6	1260.0	30	5	16	5	4	5	18	9	4	153	522	161	149
1949	7	710.0	31	5	9	5	4	4	7	4	4	153	294	158	147
1949	8	174.0	31	4	2	5	4	5	2	6	5	159	74	162	156
1949	9	448.0	30	4	5	5	4	4	5	5	3	150	182	156	146
	Data Avg.	843.0	365	6	13	7	4	5	11	9	3	148	336	162	137

STATION: ILLINOIS BAYOU NEAR SCOTTSVILLE, ARK.

NUMBER: 407 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	31.4	31	3		3	1	2		19	2	35	3	86	29
1955	11	21.2	30	3		3	2	2		3	2	35	2	30	25
1955	12	30.4	31	3		3	2	3		4	2	24	2	32	26
1956	1	17.6	31	2		3	2	2		5	2	21	1	52	25
1956	2	1420.0	29	3	11	3	2	3	10	4	2	27	102	31	26
1956	3	147.0	31	3	1	3	2	3	1	3	2	35	14	38	30
1956	4	360.0	30	3	3	3	2	2	2	3	2	35	34	40	31
1956	5	264.0	31	1	1	2	2	1	1	2	2	35	25	37	32
1956	6	25.9	30	2		4	1	3		10	2	29	2	61	32
1956	7	29.5	31	3		4	3	3		4	2	50	4	56	32
1956	8	1.1	31	2		2	1	2		10	2	41		63	33
1956	9	0.1	30	3		3	1	3		4	3	38		63	34
	Data Avg.	190.0	366	2	1	4	1	2	1	19	2	29	15	86	25

STATION: ILLINOIS RIVER AT TENKILLER RES. NEAR GORE, OKLAHOMA

NUMBER: 314 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	9	389.0	30	48	50	50	42	52	54	60	40				
	Data Avg.	389.0	30	48	50	50	42	52	54	60	40				
1944	10	506.0	31	49	67	50	48	62	85	70	60				
1944	11	243.0	30	47	31	49	45	80	53	90	70				
1944	12	369.0	31	55	55	60	52	91	90	130	60				
	Data Avg.	374.0	92	51	51	60	45	75	76	130	60				
1947	10	181.0	31	5	3	6	5	15	7	20	12	135	66	141	130
1947	11	363.0	30	6	6	7	5	25	25	68	17	145	142	214	131
1947	12	384.0	31	8	8	9	7	31	33	49	15	156	162	179	126
1948	1	817.0	31	9	20	10	8	12	26	18	9	123	271	134	116
1948	2	1430.0	29	10	39	11	8	7	26	12	4	101	391	120	55
1948	3	4690.0	31	8	102	9	8	5	62	5	5	83	1050	97	78
1948	4	1770.0	30	7	34	11	4	7	35	9	6	93	443	110	79
1948	5	1380.0	31	9	33	11	6	8	30	9	6	105	391	116	96
1948	6	2220.0	30	7	43	9	7	5	32	12	4	89	533	123	83
1948	7	1490.0	31	6	24	7	5	5	20	7	5	113	454	120	110
1948	8	5810.0	31	4	65	6	4	2	32	8	1	58	910	127	40
1948	9	652.0	30	6	11	7	5	7	13	8	7	115	203	119	112
	Data Avg.	1770.0	366	7	32	11	4	6	28	68	1	88	419	214	40

STATION: ILLINOIS RIVER AT TENKILLER RES. NEAR GORE, OKLAHOMA

NUMBER: 314 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	93.3	31	4	1	4	4	8	2	9	9	123	31	123	123
1953	11	490.0	30	5	6	5	5	8	11	9	9	117	155	117	117
1953	12	979.0	31	6	15	6	6	4	10	4	4	100	264	100	100
1954	1	1290.0	31	6	21	6	6	4	13	4	4	102	355	102	102
1954	2	1680.0	28	6	26	6	6	6	26	6	6	101	458	101	101
1954	3	751.0	31	5	11	6	6	7	15	7	7	104	211	104	104
1954	4	564.0	30	7	10	7	7	7	11	7	7	102	155	102	102
1954	5	301.0	31	7	6	7	7	7	6	8	8	112	91	112	112
1954	6	630.0	30	6	10	6	6	10	17	10	10	115	196	115	115
1954	7	916.0	31	6	15	6	6	8	21	9	9	111	275	111	111
1954	8	1720.0	31	5	23	5	5	9	44	10	10	107	496	107	107
1954	9	308.0	30	4	3	4	4	12	10	12	12	116	96	116	116
	Data Avg.	806.0	365	6	12	7	4	7	16	12	4	106	231	123	100
1954	10	83.9	31	3	1	4	4	18	4	18	18	136	31	136	136
1954	11	87.8	30	5	1	5	5	18	4	18	18	140	33	140	140
1954	12	90.2	31	4	1	4	4	17	4	17	17	124	30	124	124
1955	1	90.3	31	8	2	8	8	20	5	20	20	134	33	134	134
1955	2	154.0	28	9	4	9	9	13	5	13	13	122	51	122	122
1955	3	980.0	31	10	26	10	10	11	29	11	11	116	307	116	116
1955	4	1270.0	30	7	24	7	7	5	19	5	5	110	377	110	110
1955	5	804.0	31	16	35	16	16	8	17	8	8	116	252	116	116
1955	6	1780.0	30	11	53	11	11	10	48	10	10	118	568	118	118
1955	7	517.0	31	9	13	9	9	11	15	11	11	115	161	115	115
1955	8	818.0	31	9	19	9	9	11	24	11	11	119	263	119	119
1955	9	481.0	30	8	10	8	8	10	13	10	10	128	166	128	128
	Data Avg.	597.0	365	10	16	16	4	10	16	20	5	117	189	140	110
1955	10	145.0	31	3	1	4	4	15	6	15	15	142	56	142	142
1955	11	776.0	30	4	9	4	4	13	27	13	13	126	264	126	126
1955	12	456.0	31	6	7	6	6	14	17	14	14	113	139	113	113
1956	1	839.0	31	8	17	8	8	6	15	7	7	110	249	110	110
1956	2	600.0	29	7	12	7	7	6	11	7	7	111	180	111	111
1956	3	415.0	31	7	8	7	7	12	13	12	12	124	139	124	124
1956	4	277.0	30	9	6	9	9	8	6	9	9	117	88	117	117
1956	5	228.0	31	9	6	10	10	19	12	19	19	131	81	131	131
1956	6	194.0	30	9	5	9	9	12	6	12	12	136	71	136	136
1956	7	156.0	31	8	3	8	8	12	5	12	12	138	58	138	138
1956	8	278.0	31	7	5	7	7	13	10	13	13	130	98	130	130
1956	9	164.0	30	6	2	6	6	14	6	14	14	140	62	140	140
	Data Avg.	376.0	366	7	7	10	4	11	11	19	7	121	123	142	110

STATION: ILLINOIS RIVER @ TENKILLER RESERVOIR NEAR GORE, OKLAHOMA

NUMBER: 314 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1956	10	130.0	31	6	2	5	5	11	4	10	10	131	46	130	130
1956	11	319.0	30	6	5	5	5	10	9	11	11	124	107	124	124
1956	12	457.0	31	6	7	5	5	13	16	13	13	127	157	127	127
1957	1	324.0	31	8	7	8	8	11	10	11	11	121	106	121	121
1957	2	435.0	28	8	9	8	8	10	12	10	10	120	141	120	120
1957	3	1120.0	31	8	23	8	8	9	27	9	9	118	357	118	118
1957	4	6980.0	30	8	149	8	8	10	183	10	10	121	2280	121	121
1957	5	4290.0	31	3	38	3	3	11	127	11	11	105	1220	105	105
1957	6	7180.0	30	7	145	8	8	9	171	9	9	109	2110	109	109
1957	7	8050.0	31	6	130	6	6	8	170	8	8	107	2330	107	107
1957	8	810.0	31	0	17	8	8	22	48	22	22	158	346	158	158
1957	9	1910.0	30	6	24	6	6	15	61	15	15	136	554	136	136
	Data Avg.	2640.0	365	6	46	8	3	14	70	22	8	114	813	158	105

STATION: LITTLE RIVER, BELOW HOG CREEK, NEAR NORMAN, OKLAHOMA

NUMBER: 710 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	91.8	31	9	2	34	6	18	4	72	9	157	39	379	124
1953	11	9.0	30	18		22	11	29	1	37	16	315	8	399	201
1953	12	20.7	31	17	1	19	13	30	2	31	29	335	19	343	258
1954	1	8.1	31	18		20	17	31	1	34	30	383	8	394	373
1954	2	8.3	28	19		20	19	35	1	36	34	395	9	403	383
1954	3	11.2	31	18	1	22	13	30	1	40	17	331	10	382	248
1954	4	42.5	30	12	1	28	10	39	4	50	18	276	32	418	230
1954	5	113.0	31	10	3	31	7	24	7	62	10	249	76	364	155
1954	6	4.6	30	29		62	15	54	1	120	47	358	4	504	281
1954	7	0.5	31	78		109	61	186		266	124	664	1	821	560
1954	8	0.6	31	60		145	26	150		363	56	544	1	1040	312
1954	9	0.2	30	120		169	11	260		425	31	759		1150	218
	Data Avg.	26.1	365	12	1	169	6	26	2	425	9	246	17	1150	124
1954	10	2.3	31	42		162	26	76		398	41	328	2	1090	225
1954	11	0.6	30	76		97	60	165		236	122	658	1	788	583
1954	12	1.3	31	37		56	19	80		118	34	470	2	599	260
1955	3	6.7	31	29	1	44	27	36	1	68	28	309	6	453	268
1955	4	9.2	30	20		36	16	25	1	68	15	239	6	433	188
1955	5	272.0	31	14	10	42	12	14	10	230	7	145	106	692	111
1955	6	41.8	30	12	1	42	10	25	3	160	20	177	20	483	152
1955	7	1.5	31	49		174	32	66		150	34	393	2	577	216
1955	8	7.7	31	16		90	11	24		208	10	165	3	669	123
1955	9	78.4	30	9	2	57	8	26	5	130	8	146	31	447	112
	Data Avg.	42.3	306	14	2	174	8	19	2	398	7	157	18	1090	111
1955	10	238.0	31	7	4	29	6	9	6	64	8	117	75	405	112
1955	11	3.3	30	32		32	30	58	1	62	52	507	5	525	496
1955	12	5.1	31	21		21	20	42	1	43	42	385	5	391	378
1956	1	4.4	31	26		27	25	48	1	52	45	418	5	435	410
1956	2	7.8	29	26	1	30	23	37	1	40	34	360	8	375	344
1956	3	4.0	31	23		25	22	49	1	50	48	431	5	437	426
1956	4	27.7	30	15	1	27	12	35	3	49	26	252	19	435	216
1956	5	28.2	31	9	1	34	7	24	2	82	15	174	13	458	138
1956	6	2.6	30	24		65	10	56		140	21	319	2	580	176
1956	7	1.7	31	32		85	12	70		190	23	305	1	669	154
1956	8	0.0	31												
1956	9	0.0	31												
	Data Avg.	27.2	366	9	1	85	6	16	1	190	8	158	12	669	112

STATION: LITTLE RIVER BELOW HOG CREEK NEAR NORMAN, OKLAHOMA

NUMBER: 710 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1956	10	0.0	31												
1956	11	5.7	30	65	1	220	13	130	2	550	28	325	5	1460	174
1956	12	1.3	31			80	40			190	86	569	2	698	484
1957	1	2.2	31			50	23			105	49	505	3	553	320
1957	2	1.9	28			42	37			90	74	584	3	510	458
1957	3	2.3	31			41	10			90	18	483	3	503	213
1957	4	236.0	28	6	4	28	4	22	14	58	10	166	106	385	134
1957	5	1160.0	31	1	4	13		7	22	44	4	106	333	317	80
1957	6	781.0	30	6	12	21	2	13	27	47	5	153	323	374	98
1957	7	19.8	21	37	2	37	26	75	4	148	60	467	25	562	432
1957	8	10.3	31	36	1	52	16	72	2	124	39	395	11	545	253
1957	9	187.0	30	10	5	56	3	14	7	112	5	150	76	574	97
	Data Avg.	206.0	353	4	2	304		13	7	550	4	135	75	1460	80

STATION: LITTLE RIVER NEAR NORMAN, OKLAHOMA

NUMBER: 723 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1951	10	2.2	21	6		9	8	11		11	7	332	2	366	263
1951	11	3.7	30	9		12	8	10		11	6	360	4	396	230
1951	12	3.3	31	8		8	7	11		11	10	370	3	387	340
1952	1	4.4	31	7		8	7	11		14	10	341	4	355	333
1952	2	4.2	29	6		7	6	23		29	17	377	4	446	351
1952	3	15.6	15	11		15	9	23	1	34	12	272	11	322	235
1952	6	3.3	20	11		11	8	15		16	13	341	3	353	321
1952	7	1.6	31	8		13	6	12		12	10	318	1	325	315
1952	8	1.9	30	4		7	5	14		14	10	238	1	333	198
1952	9	0.2	30	7		8	5	10		10	10	350		359	342
	Data Avg.	3.5	268	8		15	5	16		34	6	326	3	446	198
1952	10	0.5	31	7		6	6	7		12	10	414	1	416	380
1952	11	1.5	30	7		7	5	11		13	12	400	2	446	364
1952	12	1.7	31	6		8	6	12		12	12	365	2	379	357
1953	1	1.9	31	7		7	6	12		12	11	340	2	363	316
1953	2	3.3	28	8		11	6	10		11	7	295	3	370	199
1953	3	18.0	31	9		10	8	8		11	7	191	9	340	151
1953	4	53.1	30	7	1	11	7	6	1	16	4	126	18	325	105
1953	5	15.3	31	8		12	7	16	1	20	10	194	8	311	155
1953	6	1.1	30	3		5	6	9		11	10	300	1	304	287
1953	7	27.9	31	6		9	5	5		10	3	134	10	287	101
1953	8	24.6	31	3		7	3	5		11	5	103	7	298	97
1953	9	2.0	30	3		8	4	7		12	4	175	1	287	98
	Data Avg.	12.6	365	6		12	3	7		20	3	153	5	446	97

STATION: LITTLE RIVER AT SASAKWA, OKLAHOMA

NUMBER: 367 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1955	10	295.0	31	11	8	68	7	1070	852	18800	195	1990	1580	31600	476
1955	11	10.2	30	125	3	166	64	39500	1090	48200	24800	67600	1860	83600	42100
1955	12	14.5	31	161	6	171	142	43400	1700	48200	38800	74100	2900	85000	66900
1956	1	17.7	31	147	7	165	104	40100	1920	46300	23400	67200	3220	76900	39400
1956	2	26.1	29	104	7	123	73	24800	1750	31800	13800	42600	3000	53800	23400
1956	3	14.3	31	145	6	162	121	38400	1490	44700	31400	68100	2630	78600	56000
1956	4	32.8	30	92	8	176	41	19800	1750	45100	3840	35400	3140	84300	7510
1956	5	126.0	31	25	9	136	18	3350	1140	37400	980	6500	2210	67600	2150
1956	6	50.7	30	32	4	79	12	7040	964	20900	875	13000	1790	36700	1690
1956	7	10.1	31	64	2	117	19	25800	704	53100	3400	46300	1260	95900	6160
1956	8	0.4	31	64		78	52	14000	13	19600	12800	25300	24	36000	22900
1956	9	0.0	30												
	Data Avg.	50.2	366	38	5	176	7	8200	1110	53100	195	14500	1970	95900	476
1956	10	3.5	9	211	2	228	49	64200	607	68300	16900	121000	1150	129000	30500
1956	11	18.3	30	40	2	246	33	11300	558	73100	3470	19200	964	121000	6370
1956	12	52.6	31	35	5	93	7	6470	923	20100	900	12100	1720	36600	1790
1957	1	25.7	31	58	4	165	18	11300	796	42600	2650	21700	1510	79800	3650
1957	2	17.0	28	44	2	104	13	10500	483	25400	2650	19700	906	47300	5640
1957	3	76.3	31	34	7	67	12	4640	957	13300	600	8650	1780	22800	1210
1957	4	1770.0	30	15	76	39	4	1820	8780	6430	272	3700	17700	12600	696
1957	5	4630.0	31	6	75	32	2	423	5290	3990	162	913	11400	7360	442
1957	6	3670.0	30	16	162	30	3	1140	11300	2190	58	2560	25600	4800	189
1957	7	152.0	31	29	12	76	17	2210	908	10100	950	4060	1670	17500	1790
1957	8	40.2	31	37	4	41	23	2420	263	3530	1030	4270	464	6630	2070
1957	9	1120.0	30	10	31	25	8	531	1600	3300	118	1160	3500	6020	320
	Data Avg.	1030.0	343	12	33	246	2	1020	2820	73100	58	2150	5360	129000	189

STATION: MULBERRY RIVER NEAR MULBERRY, ARKANSAS

NUMBER: 406 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1955	10	32.7	31	3		3	2	2		3	2	34	3	42	30
1955	11	10.1	30	2		2	1	2		3	2	37	1	30	28
1955	12	19.0	31	3		4	2	4		5	3	39	2	51	25
1956	1	9.8	31	3		4	3	3		4	2	38	1	36	25
1956	2	838.0	29	3	7	4	3	3	7	4	2	31	71	33	30
1956	3	210.0	31	4	2	3	3	4	2	5	3	28	16	31	28
1956	4	719.0	30	2	3	2	1	2	3	2	2	37	72	43	32
1956	5	905.0	31	2	5	3	1	2	4	2	2	38	92	42	36
1956	6	141.0	30	3	1	2	1	3	1	2	2	37	14	40	34
1956	7	25.2	31	2		3	2	4		32	2	44	3	126	40
1956	8	0.9	31	2		2	1	2		3	2	45		48	41
1956	9	0.0	30												
	Data Avg.	240.0	366	3	2	4	1	2	1	32	2	36	23	126	25

STATION: NEOSHO RIVER NEAR COMMERCE, OKLAHOMA

NUMBER: 295 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	118.0	11	52	17	52	52	33	11	33	33	266	85	266	266
1947	11	81.0	30	56	12	57	56	43	9	53	35	298	65	323	284
1947	12	516.0	31	61	85	67	44	49	68	54	32	302	421	335	211
1948	1	278.0	31	120	90	154	84	81	61	99	54	449	337	548	329
1948	2	372.0	29	103	103	123	62	59	60	80	20	393	395	462	228
1948	3	4580.0	31	42	518	62	40	12	148	22	10	179	2220	228	169
1948	4	1160.0	30	53	167	57	15	21	65	30	16	252	790	318	238
1948	5	3160.0	31	40	340	66	34	15	127	30	11	192	1640	285	161
1948	6	13200.0	27	35	1230	58	34	5	171	29	4	133	4730	302	128
1948	7	25300.0	31	21	1470	46	20	4	303	10	4	134	9190	202	131
1948	8	4140.0	31	48	543	98	36	13	143	32	4	205	2300	374	211
1948	9	950.0	20	54	138	114	25	25	64	36	15	154	394	409	245
	Data Avg.	4810.0	333	32	417	154	15	8	109	99	4	155	2020	548	131
1948	10	177.0	31	82	39	112	56	32	15	43	22	347	166	395	284
1948	11	992.0	30	50	135	77	48	19	52	39	18	185	495	335	169
1948	12	168.0	31	113	51	132	95	51	23	59	41	454	206	487	414
1949	1	2210.0	18	58	347	188	27	19	114	66	6	204	1220	570	100
1949	2	11700.0	28	32	1020	47	25	8	238	10	6	146	4610	196	96
1949	3	4400.0	31	69	821	76	61	17	198	17	16	282	3360	304	268
1949	4	3980.0	30	50	535	85	20	15	160	20	11	233	2510	338	89
1949	5	7160.0	31	45	872	65	33	12	236	22	9	224	4340	315	184
1949	6	4650.0	30	44	552	67	36	11	144	16	8	209	2620	290	159
1949	7	4680.0	31	33	423	66	21	9	120	22	6	154	1960	322	83
1949	8	1720.0	31	44	204	161	31	15	68	17	9	239	1110	401	190
1949	9	1710.0	30	51	236	116	40	10	48	22	8	197	910	396	164
	Data Avg.	3620.0	352	45	435	188	20	12	117	66	6	201	1970	570	83
1949	10	2230.0	31	65	393	102	57	11	69	24	6	213	1280	276	194
1949	11	264.0	30	110	79	119	104	23	16	25	22	343	245	353	331
1949	12	516.0	31	110	154	163	72	22	31	45	12	340	474	456	243
1950	1	1040.0	31	107	299	120	92	30	83	39	22	365	1020	409	295
1950	2	526.0	28	119	170	137	91	31	44	40	18	364	516	426	290
1950	3	543.0	31	121	178	127	113	41	60	47	36	394	579	422	362
1950	4	659.0	30	79	140	107	65	23	41	44	14	291	519	425	234
1950	5	2350.0	31	71	450	111	47	24	154	56	12	294	1870	422	226
1950	6	5320.0	30	32	463	55	28	8	116	20	6	197	2840	351	163
1950	7	14100.0	31	24	904	86	20	7	265	20	5	163	6180	318	149
1950	8	9430.0	31	24	614	43	19	8	207	15	7	193	4910	299	171
1950	9	3360.0	30	40	365	59	34	13	115	24	10	229	2080	369	197
	Data Avg.	3390.0	365	39	353	163	19	11	101	56	5	206	1890	456	149

STATION: NEOSHO RIVER NEAR COMMERCE, OKLAHOMA

NUMBER: 295 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1950	10	677.0	31	57	104	70	31	19	35	25	8	293	535	347	157
1950	11	243.0	30	86	56	107	75	36	24	44	28	430	282	465	393
1950	12	210.0	31	114	64	126	97	53	30	59	47	552	313	589	509
1951	1	203.0	31	153	84	161	144	60	33	66	56	606	332	623	599
1951	2	1810.0	28	87	425	185	64	25	121	64	18	274	1350	612	205
1951	3	993.0	31	129	346	133	114	36	96	42	28	430	1160	459	398
1951	4	2710.0	30	77	563	107	51	26	187	42	18	329	2410	443	234
1951	5	10100.0	31	37	1000	75	19	12	319	26	5	218	5970	364	133
1951	6	12700.0	30	28	976	58	24	9	300	19	7	183	6270	345	157
1951	7	35500.0	10	17	1620	18	15	5	509	8	4	149	14300	155	145
1951	9	16400.0	19	24	1070	81	17	7	314	20	5	179	7960	377	150
	Data Avg.	5190.0	302	34	483	185	15	11	151	66	4	203	2840	623	133
1951	10	3040.0	31	63	522	83	41	15	125	20	8	278	2290	407	191
1951	11	6250.0	30	73	1240	89	54	13	215	20	9	253	4280	382	176
1951	12	1430.0	31	103	399	118	84	22	86	29	18	393	1520	476	328
1952	1	1920.0	31	106	548	142	95	24	126	30	16	260	1350	364	197
1952	2	2340.0	29	88	555	136	54	16	102	28	8	191	1210	310	103
1952	3	7280.0	31	63	1240	121	51	14	283	28	11	166	3270	276	143
1952	4	6040.0	29	61	1000	86	46	14	230	21	10	190	3100	260	162
1952	5	2180.0	31	77	455	98	57	19	112	26	12	345	2030	413	231
1952	6	769.0	30	66	137	100	51	20	42	34	12	312	647	395	243
1952	7	215.0	31	93	54	104	70	30	17	34	27	373	217	399	339
1952	8	210.0	31	92	53	127	56	42	24	54	16	383	217	461	188
1952	9	75.9	30	135	28	140	128	60	12	62	53	483	99	495	467
	Data Avg.	2630.0	365	73	517	142	41	16	114	62	8	236	1680	495	103
1952	10	19.1	31	159	8	168	147	62	3	69	56	527	27	555	513
1952	11	41.0	30	162	18	175	159	65	7	70	64	534	59	568	530
1952	12	70.5	31	103	20	124	62	53	10	72	50	435	83	461	400
1953	1	87.8	31	147	35	181	117	83	20	85	81	552	131	592	514
1953	2	86.0	28	150	35	184	132	86	20	103	79	578	134	652	545
1953	3	283.0	31	189	144	224	142	69	52	109	42	542	414	690	393
1953	4	810.0	30	133	292	237	71	43	93	85	9	382	837	674	167
1953	5	784.0	31	81	171	100	53	30	63	49	16	272	576	330	193
1953	6	408.0	30	172	190	203	110	42	47	48	29	452	498	530	334
1953	7	314.0	31	61	52	68	39	24	21	28	11	251	213	268	205
1953	8	4.4	31	56	1	57	55	25		37	23	245	3	289	240
1953	9	1.5	30	52		53	49	43		56	40	293	1	313	290
	Data Avg.	243.0	365	122	80	237	39	43	28	109	9	378	248	690	167

STATION: NEOSHO RIVER NEAR COMMERCE, OKLAHOMA

NUMBER: 295 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	1.8	31	50		50	48	59		60	59	305	1	313	300
1953	11	3.6	30	64	1	66	56	48		54	45	308	3	313	304
1953	12	11.3	31	144	4	173	117	37	1	38	36	391	12	428	354
1954	1	17.9	31	93	4	103	79	59	3	72	53	388	19	431	354
1954	2	24.9	28	116	8	128	82	38	3	39	38	388	26	403	341
1954	3	24.1	31	83	5	102	71	49	3	55	43	360	23	394	334
1954	4	812.0	30	45	98	109	24	44	96	158	20	268	588	584	181
1954	5	4360.0	31	25	292	92	12	12	145	40	8	159	1870	309	136
1954	6	1050.0	30	84	238	167	38	38	107	78	19	329	933	554	217
1954	7	21.1	31	40	2	41	39	19	1	27	19	207	12	246	205
1954	8	0.0	31												
1954	9	83.0	30	50	11	50	50	62	14	62	62	326	73	326	326
	Data Avg.	539.0	365	38	55	173	12	21	31	158	8	204	298	584	136

STATION: NEOSHO RIVER AT FT. GIBSON RES. NEAR FT. GIBSON, OKLAHOMA

NUMBER: 310 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	6610.0	31	30	535	30	30	8	139	8	8	158	2820	158	158
1951	11	15500.0	30	34	1420	34	34	7	314	8	8	166	6950	166	166
1951	12	9670.0	31	47	1230	47	47	8	222	9	9	185	4830	185	185
1952	1	5660.0	31	47	719	47	47	10	153	10	10	196	3000	196	196
1952	2	9920.0	29	48	1290	48	48	9	241	9	9	200	5360	200	200
1952	3	13000.0	31	52	1830	52	52	9	316	9	9	202	7090	202	202
1952	4	11900.0	30	54	1730	54	54	9	288	9	9	205	6560	205	205
1952	5	7010.0	31	57	1080	57	57	11	208	11	11	216	4090	216	216
1952	6	4510.0	30	56	682	56	56	12	146	12	12	222	2700	222	222
1952	7	2420.0	31	55	359	55	55	13	85	13	13	229	1500	229	229
1952	8	2040.0	31	55	302	55	55	14	77	14	14	226	1240	226	226
1952	9	1950.0	30	55	289	55	55	14	74	14	14	222	1170	222	222
	Data Avg.	7490.0	366	47	952	57	30	9	188	14	8	194	3930	229	158
1952	10	727.0	31	56	110	56	56	14	27	14	14	231	453	231	231
1952	11	555.0	30	57	85	57	57	13	19	13	13	233	349	233	233
1952	12	767.0	31	56	116	56	56	15	31	15	15	231	478	231	231
1953	1	712.0	31	55	106	55	55	15	29	15	15	228	438	228	228
1953	2	755.0	28	56	114	56	56	14	29	14	14	232	473	232	232
1953	3	2630.0	31	54	383	54	54	14	99	14	14	230	1630	230	230
1953	4	7060.0	30	49	933	49	49	14	267	14	14	217	4130	217	217
1953	5	5730.0	31	41	635	41	41	10	155	10	10	184	2850	184	184
1953	6	1250.0	30	47	159	47	47	12	41	12	12	209	706	209	209
1953	7	1090.0	31	46	136	46	46	12	35	12	12	202	595	202	202
1953	8	1070.0	31	46	133	46	46	14	40	14	14	203	585	203	203
1953	9	738.0	30	48	96	48	48	14	28	14	14	206	410	206	206
	Data Avg.	1930.0	365	48	251	57	41	13	67	15	10	210	1090	233	184
1953	10	340.0	31	48	44	48	48	14	13	14	14	210	193	210	210
1953	11	298.0	30	49	39	49	49	15	12	15	15	211	170	211	211
1953	12	269.0	31	50	36	50	50	15	11	15	15	214	155	214	214
1954	1	612.0	31	50	83	50	50	16	26	16	16	217	359	217	217
1954	2	211.0	28	51	29	51	51	18	10	18	18	216	123	216	216
1954	3	557.0	31	51	77	51	51	20	30	20	20	219	329	219	219
1954	4	1060.0	30	52	149	52	52	21	60	21	21	221	634	221	221
1954	5	5400.0	31	48	700	48	48	20	292	20	20	209	3050	209	209
1954	6	2840.0	30	48	367	48	48	18	138	18	18	206	1580	206	206
1954	7	1810.0	31	49	239	49	49	18	88	18	18	200	977	200	200
1954	8	185.0	31	50	25	50	50	17	8	17	17	203	101	203	203
1954	9	218.0	30	54	32	54	54	20	12	20	20	210	124	210	210
	Data Avg.	1160.0	365	49	153	54	48	19	59	21	14	209	654	221	200

STATION: NEOSHO RIVER AT FT. GIBSON RES. NEAR FT. GIBSON, OKLAHOMA

NUMBER: 310 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	578.0	31	52	81	52	52	20	31	20	20	214	334	214	214
1954	11	1470.0	30	52	206	52	52	20	79	20	20	216	854	216	216
1954	12	1590.0	31	51	219	51	51	23	99	23	23	214	920	214	214
1955	1	3530.0	31	49	467	49	49	22	210	22	22	208	1980	208	208
1955	2	2350.0	28	46	291	46	46	17	108	17	17	201	1270	201	201
1955	3	3450.0	31	50	466	50	50	19	177	19	19	192	1790	192	192
1955	4	3000.0	30	45	364	45	45	14	113	14	14	186	1510	186	186
1955	5	3010.0	31	44	357	44	44	14	114	14	14	192	1560	192	192
1955	6	4120.0	30	52	578	52	52	17	189	17	17	200	2220	200	200
1955	7	6760.0	31	54	98[illegible]	54	54	12	219	12	12	196	3580	196	196
1955	8	2120.0	31	51	292	51	51	14	80	14	14	188	1080	188	188
1955	9	2660.0	30	50	358	50	50	14	100	14	14	191	1370	191	191
	Data Avg.	2890.0	365	50	390	54	44	16	127	23	12	197	1540	216	186
1955	10	3700.0	31	45	449	45	45	14	140	14	14	192	1920	192	192
1955	11	1230.0	30	43	143	43	43	14	46	14	14	174	578	174	174
1955	12	2100.0	31	46	260	46	46	15	85	15	15	183	1040	183	183
1956	1	824.0	31	45	100	45	45	15	33	15	15	198	441	198	198
1956	2	481.0	29	45	58	45	45	16	21	16	16	200	260	200	200
1956	3	786.0	31	47	100	47	47	17	36	17	17	206	437	206	206
1956	4	554.0	30	47	70	47	47	12	18	12	12	208	311	208	208
1956	5	2860.0	31	48	371	48	48	18	139	18	18	204	1580	204	204
1956	6	2400.0	30	45	292	45	45	16	104	16	16	206	1340	206	206
1956	7	1870.0	31	45	227	45	45	16	81	16	16	202	1020	202	202
1956	8	1460.0	31	46	181	46	46	15	59	15	15	195	767	195	195
1956	9	173.0	30	48	22	48	48	16	7	16	16	198	92	198	198
	Data Avg.	1550.0	366	46	191	48	43	15	65	18	12	196	820	208	174
1956	10	90.0	10	45	11	46	46	16	4	18	18	197	48	199	199
1956	11	310.0	30	47	39	47	47	16	13	16	16	199	167	200	200
1956	12	513.0	31	50	69	50	50	15	21	15	15	204	283	204	204
1957	1	487.0	31	50	66	50	50	16	21	16	16	219	288	219	219
1957	2	2340.0	28	50	316	50	50	19	120	19	19	216	1370	216	216
1957	3	2120.0	31	48	275	48	48	19	109	19	19	224	1280	224	224
1957	4	13500.0	30	38	1390	38	38	14	510	14	14	181	6600	181	181
1957	5	42100.0	31	30	3410	30	30	8	967	9	9	156	17700	156	156
1957	6	64200.0	10	21	3640	21	21	8	1350	8	8	128	22200	128	128
1957	7	22600.0	31	22	1340	22	22	7	439	7	7	134	8180	134	134
1957	8	2460.0	30	24	159	24	24	1	7	1	1	149	990	149	149
1957	9	2880.0	30	25	194	25	25	1	9	1	1	152	1180	152	152
	Data Avg.	10500.0	323	28	801	50	21	9	252	19	1	152	4300	224	128

STATION: NEOSHO RIVER AT LANGLEY, OKLAHOMA

NUMBER: 305 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	5950.0	31	30	482	30	30	6	96	6	6	155	2490	155	155
1951	11	16100.0	30	39	1700	39	39	7	296	7	7	174	7570	174	174
1951	12	5740.0	31	52	806	52	52	8	124	8	8	191	2960	191	191
1952	1	5000.0	31	48	648	48	48	8	105	8	8	200	2700	200	200
1952	2	8550.0	28	52	1200	52	52	8	196	9	9	212	4890	212	212
1952	3	11600.0	31	62	1950	62	62	10	314	10	10	222	6980	222	222
1952	4	9460.0	30	61	1560	61	61	10	250	10	10	231	5900	231	231
1952	5	5090.0	31	61	838	61	61	10	137	10	10	230	3160	230	230
1952	6	3930.0	30	56	594	56	56	11	117	11	11	231	2450	231	231
1952	7	2550.0	31	56	386	56	56	10	69	10	10	237	1630	237	237
1952	8	1650.0	31	57	255	57	57	11	49	11	11	234	1050	234	234
1952	9	2020.0	30	56	305	56	56	10	55	10	10	223	1220	223	223
	Data Avg.	6440.0	365	51	889	62	30	9	150	11	6	205	3570	237	155
1952	10	2030.0	31	55	302	55	55	11	60	11	11	224	1230	224	224
1952	11	1550.0	30	57	239	57	57	11	46	11	11	225	943	225	225
1952	12	1440.0	31	55	214	55	55	12	47	12	12	226	878	226	226
1953	1	1400.0	31	56	212	56	56	12	45	12	12	228	863	228	228
1953	2	1300.0	28	58	203	58	58	12	42	12	12	227	795	227	227
1953	3	1680.0	31	58	263	58	58	12	54	12	12	240	1090	240	240
1953	4	4240.0	30	58	664	58	58	13	149	13	13	238	2720	238	238
1953	5	4080.0	31	57	628	57	57	12	132	12	12	234	2580	234	234
1953	6	2340.0	30	55	347	55	55	12	76	12	12	227	1430	227	227
1953	7	1170.0	31	53	168	53	53	12	38	12	12	214	677	214	214
1953	8	523.0	31	54	76	54	54	12	17	12	12	219	309	219	219
1953	9	77.1	30	55	11	55	55	12	3	12	12	215	45	215	215
	Data Avg.	1820.0	365	56	277	58	53	12	59	13	11	230	1130	240	214
1953	10	81.2	31	55	12	55	55	13	3	13	13	216	47	216	216
1953	11	159.0	30	56	24	56	56	13	6	13	13	220	94	220	220
1953	12	843.0	31	57	130	57	57	13	30	13	13	221	503	221	221
1954	1	144.0	31	57	22	57	57	12	5	12	12	217	84	217	217
1954	2	559.0	28	55	83	55	55	14	21	14	14	213	321	213	213
1954	3	594.0	31	57	91	57	57	14	22	14	14	216	346	216	216
1954	4	799.0	30	57	123	57	57	14	30	14	14	216	466	216	216
1954	5	3870.0	31	54	564	54	54	14	146	14	14	205	2140	205	205
1954	6	3350.0	30	48	434	48	48	19	172	19	19	202	1830	202	202
1954	7	1760.0	31	49	232	49	49	17	81	17	17	198	939	198	198
1954	8	568.0	31	49	75	49	49	17	26	17	17	203	311	203	203
1954	9	118.0	30	54	17	54	54	17	5	17	17	208	66	208	208
	Data Avg.	1070.0	365	52	151	57	48	16	46	19	12	206	598	221	198

STATION: NEOSHO RIVER AT LANGLEY, OKLAHOMA

NUMBER: 305 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1956	5	2990.0	21	47	379	47	47	12	97	12	12	181	1460	186	176
1956	6	2100.0	30	49	276	51	44	12	70	13	12	190	1080	195	180
1956	7	1760.0	31	48	230	50	47	11	52	12	10	198	943	209	192
1956	8	1430.0	31	51	196	52	49	12	48	13	12	201	778	208	192
1956	9	630.0	30	51	87	51	51	14	24	14	14	200	340	210	196
	Data Avg.	1700.0	143	49	224	52	44	12	56	14	10	192	885	210	176
1956	10	59.0	31	50	8	51	51	19	3	19	14	201	32	206	203
1956	11	63.0	30	53	9	53	50	29	5	66	12	229	39	293	194
1956	12	739.0	31	38	76	52	29	15	29	17	13	202	404	205	196
1957	1	586.0	31	47	74	52	46	13	21	16	13	207	327	212	206
1957	2	1810.0	28	47	229	50	46	11	54	13	11	202	986	209	196
1957	3	2010.0	31	46	250	48	43	12	64	14	10	201	1090	209	197
1957	4	10500.0	30	37	1060	46	31	11	314	13	10	184	5270	205	169
1957	5	33700.0	31	30	2740	34	26	13	1190	14	9	151	13800	165	148
1957	6	32500.0	30	23	2050	25	22	6	545	7	6	130	11500	133	128
1957	7	10100.0	31	25	667	26	23	8	209	10	7	137	3720	140	134
1957	8	2420.0	31	23	151	25	21	9	58	10	8	147	962	156	143
1957	9	2520.0	30	24	166	26	23	9	62	10	8	150	1020	163	144
	Data Avg.	8100.0	365	29	624	53	21	10	214	66	6	149	3260	293	128

STATION: NEOSHO RIVER AT WAGONER, OKLAHOMA

NUMBER: 309 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	2380.0	21	35	225	35	35	11	72	12	10	175	1130	177	172
1947	11	1850.0	30	36	182	37	36	14	69	19	10	173	867	181	171
1947	12	1190.0	31	39	125	40	38	16	51	20	13	178	572	188	172
1948	1	1940.0	31	38	200	40	37	14	75	20	12	187	980	202	181
1948	2	2270.0	29	39	240	41	37	14	88	18	13	184	1130	186	183
1948	3	7470.0	31	31	616	36	25	11	213	14	8	141	2850	180	114
1948	4	5670.0	30	48	735	50	46	14	209	16	12	190	2910	208	166
1948	5	5220.0	31	37	522	45	27	12	173	16	8	171	2410	203	122
1948	6	25200.0	30	35	2400	48	34	9	586	16	8	152	10400	192	149
1948	7	35100.0	31	32	3040	33	31	6	587	8	5	137	13000	142	126
1948	8	21000.0	31	18	1000	20	13	6	334	8	3	118	6720	137	91
1948	9	4080.0	30	22	247	23	21	7	79	8	7	146	1620	149	144
	Data Avg.	9500.0	366	31	800	51	13	8	212	20	3	145	3740	208	91
1948	10	3190.0	31	24	210	27	22	27	235	65	10	146	1260	151	140
1948	11	2960.0	30	32	258	36	30	10	79	12	9	167	1330	175	160
1948	12	3270.0	31	31	274	33	30	11	93	12	10	167	1480	171	165
1949	1	5300.0	31	30	436	31	30	10	140	13	9	166	2380	179	162
1949	2	29200.0	28	41	3200	46	34	9	685	10	7	171	13500	186	151
1949	3	11300.0	31	38	1160	40	36	8	241	9	8	165	5030	168	161
1949	4	8990.0	30	34	820	36	33	8	190	8	8	163	3960	171	160
1949	5	22400.0	31	35	2150	40	19	8	462	9	5	172	10400	187	139
1949	6	16000.0	30	40	1720	44	37	9	381	9	9	177	7630	185	162
1949	7	10900.0	31	36	1050	38	35	8	222	10	7	163	4810	168	160
1949	8	4190.0	31	35	394	36	34	8	87	9	7	173	1960	185	170
1949	9	3270.0	30	35	311	36	35	9	75	12	7	167	1470	178	162
	Data Avg.	9940.0	365	37	982	46	19	9	238	65	5	169	4540	187	129
1949	10	4720.0	31	36	463	37	36	9	110	9	8	173	2210	176	172
1949	11	3290.0	30	38	340	40	37	10	92	12	9	177	1570	179	175
1949	12	2980.0	31	41	329	43	39	11	85	11	10	181	1460	184	178
1950	1	4920.0	31	34	451	41	26	7	98	9	5	160	2130	173	144
1950	2	6060.0	28	45	740	46	44	9	145	9	9	182	2990	185	180
1950	3	6170.0	31	45	758	47	44	8	140	10	8	180	3000	182	179
1950	4	5750.0	30	45	693	46	42	9	139	10	9	188	2920	191	186
1950	5	11900.0	31	26	824	41	13	5	169	10	3	127	4090	182	64
1950	6	12900.0	30	42	1470	43	40	10	338	10	9	179	6250	191	178
1950	7	23600.0	31	36	2300	41	34	7	443	10	4	156	9910	178	141
1950	8	22200.0	31	29	1740	30	28	5	317	6	5	151	9080	153	151
1950	9	16000.0	30	26	1110	27	24	5	236	6	5	153	6620	159	140
	Data Avg.	10100.0	365	34	937	47	13	7	193	12	3	160	4360	191	64

STATION: NINNESCAH RIVER AT PECK, KANSAS

NUMBER: 226 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	4	695.0	30	38	72	60	17	130	244	222	32	452	848	702	208
1951	5	3740.0	31	17	177	55	8	39	392	182	12	240	2430	587	158
1951	6	2080.0	30	24	137	49	14	60	337	121	22	289	1630	504	178
1951	7	1600.0	31	31	135	45	19	62	271	125	28	306	1330	470	198
1951	8	439.0	31	43	51	52	27	130	154	170	64	433	513	512	276
1951	9	3520.0	20	20	192	58	9	32	308	189	12	204	1940	580	95
	Data Avg.	1930.0	173	24	123	60	9	54	283	222	12	273	1420	702	95

STATION: NORTH CANADIAN AT CANTON RES. NEAR CANTON, OKLAHOMA

NUMBER: 333 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1951	11	13.7	30	129	5	129	129	117	4	117	117	563	21	564	564
1951	12	13.0	31	137	5	137	137	122	4	122	122	593	21	594	594
1952	1	65.0	31	144	25	144	144	126	22	126	126	619	109	620	620
1952	2	193.0	29	152	79	152	152	135	70	135	135	650	339	651	651
1952	3	337.0	31	164	149	164	164	149	136	149	149	693	631	694	694
1952	4	311.0	30	187	157	187	187	160	134	160	160	743	625	744	744
1952	5	148.0	31	190	76	190	190	162	65	162	162	753	301	754	754
1952	6	61.8	30	212	35	212	212	175	29	175	175	771	129	772	772
1952	7	32.9	31	238	21	238	238	188	17	188	188	791	70	792	792
1952	8	37.1	31	221	22	221	221	202	20	202	202	823	83	824	824
1952	9	33.2	30	239	21	239	239	212	19	212	212	860	77	861	861
	Data Avg.	105.0	366	176	50	239	123	154	44	212	115	712	202	861	557
1952	10	29.0	31	248	19	248	248	230	18	230	230	932	73	933	933
1952	11	22.2	30	261	16	261	261	240	14	240	240	959	58	960	960
1952	12	18.0	31	257	12	257	257	242	12	242	242	957	47	958	958
1953	1	164.0	31	258	114	258	258	245	108	245	245	985	437	986	986
1953	2	14.6	28	272	11	272	272	245	10	245	245	999	39	1000	1000
1953	3	14.6	31	261	10	261	261	252	10	252	252	1040	41	1040	1040
1953	4	57.6	30	270	42	270	270	268	42	268	268	1050	163	1050	1050
1953	5	14.7	31	274	11	274	274	268	11	268	268	1060	42	1060	1060
1953	6	10.6	30	293	8	293	293	272	8	272	272	1110	32	1110	1110
1953	7	116.0	3	321	101	321	321	308	96	308	308	1150	360	1150	1150
1953	9	311.0	6	125	105	125	125	110	92	110	110	536	451	537	537
	Data Avg.	45.3	282	243	30	321	125	230	28	308	110	934	114	1150	537
1954	3	188.0	14	184	93	184	184	167	85	167	167	738	375	739	739
1954	4	32.5	30	207	18	207	207	172	15	172	172	765	67	766	766
1954	5	307.0	31	144	119	179	103	99	82	127	67	510	423	630	370
1954	6	231.0	30	162	101	162	162	152	95	152	152	691	432	692	692
1954	7	6.3	6	179	3	178	178	176	3	175	175	705	13	704	704
	Data Avg.	181.0	111	158	78	207	103	130	64	175	67	615	301	766	370

STATION: NORTH CANADIAN NEAR EL RENO, OKLAHOMA

NUMBER: 384 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1952	11	5.1	17	85	1	85	82	70	1	72	70	389	5	393	390
1952	12	9.7	31	81	2	82	77	71	2	72	70	392	10	396	389
1953	1	7.5	30	83	2	83	82	74	1	75	71	397	8	408	390
1953	2	7.1	28	82	2	84	81	74	1	76	73	400	8	409	396
1953	3	11.8	31	127	4	217	47	114	4	205	28	521	17	930	216
1953	4	44.3	30	189	23	280	23	170	20	262	11	727	87	1040	98
1953	5	8.9	28	199	5	261	146	183	4	248	116	767	18	1010	543
1953	6	1.0	4	200	1	215	193	200	1	218	188	849	2	854	820
1953	7	141.0	18	252	96	301	156	236	90	278	144	911	348	1060	597
1953	8	0.5	2	200		184	184	200		177	177	699	1	720	720
1953	9	252.0	25	140	95	202	139	122	83	198	121	565	385	780	562
	Data Avg.	47.6	244	167	21	301	23	150	19	278	11	650	84	1060	98
1953	10	3.6	31	42		137	18	42		162	9	246	2	751	114
1953	11	17.3	30	20	1	126	15	13	1	164	7	151	7	879	126
1953	12	2.9	31	53		130	30	46		127	24	278	2	674	170
1954	1	0.6	31	160		172	146	165		180	143	744	1	820	687
1954	2	1.2	28	159	1	167	142	170	1	175	146	785	3	802	714
1954	3	144.0	31	192	75	194	142	176	68	178	143	861	335	872	709
1954	4	80.5	30	220	48	229	190	202	44	210	173	915	199	954	806
1954	5	313.0	31	113	96	162	34	85	72	130	26	470	397	688	236
1954	6	290.0	30	126	99	150	92	103	81	175	68	529	415	738	429
1954	7	7.0	31	198	4	198	197	195	4	202	195	745	14	800	745
1954	8	0.0	31												
1954	9	0.0	31												
	Data Avg.	71.9	365	139	27	229	15	117	23	210	7	592	115	954	114
1954	10	0.0	31												
1954	11	0.0	30												
1954	12	0.0	31												
1955	1	0.0	31												
1955	2	0.0	28												
1955	3	0.0	31												
1955	4	0.0	30												
1955	5	549.0	31	63	93	173	28	46	68	165	8	279	413	722	124
1955	6	831.0	30	82	185	109	24	76	170	93	17	379	851	442	160
1955	7	525.0	31	81	115	126	78	77	110	105	76	375	532	577	358
1955	8	16.2	31	116	5	192	61	99	4	150	44	509	22	703	236
1955	9	0.6	30	53		50	50	32		32	32	216		218	218
	Data Avg.	161.0	365	77	33	192	24	68	29	165	8	350	152	722	124

STATION: NORTH CANADIAN NEAR EL RENO, OKLAHOMA

NUMBER: 384 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	383.0	31	30	31	198	15	23	23	170	9	197	204	830	137
1955	11	19.5	30	227	12	240	214	185	10	192	175	932	49	957	894
1955	12	12.4	31	235	8	238	233	189	6	192	185	930	31	966	910
1956	1	9.8	31	244	6	251	238	190	5	198	180	954	25	988	918
1956	2	18.5	29	208	10	233	128	135	7	176	95	806	40	897	491
1956	3	8.9	31	282	7	288	270	207	5	210	200	1020	25	1040	986
1956	4	5.0	30	300	4	321	288	220	3	235	210	1070	15	1120	1040
1956	5	9.5	31	100	3	353	40	65	2	248	19	381	10	1160	189
1956	6	3.0	30	206	2	268	153	154	1	215	111	761	6	947	597
1956	7	336.0	31	110	100	131	107	114	104	130	113	530	481	596	523
1956	8	0.3	31	175		172	172	137		142	142	649		644	644
1956	9	0.0	31												
	Data Avg.	68.1	366	84	15	353	15	76	14	248	9	406	75	1160	137

STATION: NORTH CANADIAN AT WETUMKA, OKLAHOMA

NUMBER: 388 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1953	10	399.0	31	25	27	71	16	1800	1940	8040	405	3340	3600	14000	852
1953	11	193.0	30	38	20	63	15	2660	1380	5120	670	4870	2540	9430	1280
1953	12	198.0	31	47	25	74	23	3560	1900	6160	1480	6550	3500	11300	2740
1954	1	98.8	31	73	19	74	70	6510	1740	6610	6360	11900	3180	12000	11800
1954	2	110.0	28	69	20	76	45	6310	1870	10200	4140	11200	3320	16500	7280
1954	3	103.0	31	52	15	71	19	5150	1440	7290	2300	9770	2730	13500	4650
1954	4	160.0	30	47	20	102	15	3900	1680	7850	1020	7390	3190	14900	2160
1954	5	1740.0	31	19	91	40	7	828	3880	2720	132	1700	7970	5320	381
1954	6	142.0	30	41	16	63	28	3870	1490	11800	1400	7060	2710	21000	2900
1954	7	42.5	31	43	5	58	32	4730	543	5390	950	8420	966	9460	1870
1954	8	13.5	31	36	1	76	24	4530	165	9410	2650	7850	286	15800	4690
	Data Avg.	293.0	335	30	24	102	7	2070	1640	11800	132	3900	3090	21000	381
1954	10	11.3	31	56	2	74	14	4820	148	8130	450	8570	262	14800	1010
1954	11	16.8	27	90	4	105	28	6030	274	7250	2800	10800	491	13300	5120
1954	12	43.8	31	70	8	87	47	7490	887	14300	4190	14900	1760	24600	7570
1955	1	69.7	31	73	14	81	56	6660	1260	9900	4650	11800	2230	17200	8650
1955	2	70.5	28	69	13	82	57	6340	1210	14200	4780	11700	2240	25800	8730
1955	3	94.9	31	55	14	77	35	4050	1040	7000	1880	7470	1920	12800	3550
1955	4	72.8	30	64	13	71	42	5760	1130	7350	3640	10800	2120	13800	6760
1955	5	1510.0	31	21	87	69	16	697	2840	7390	378	1510	6130	15600	870
1955	6	442.0	30	70	84	122	35	1940	2320	4490	730	3740	4470	8390	1530
1955	7	484.0	31	89	117	105	80	920	1200	5840	405	1870	2440	10200	956
1955	8	103.0	31	69	19	90	28	2930	815	4490	1200	5250	1460	7990	2210
1955	9	131.0	30	43	15	71	16	3100	1100	11500	520	5630	2000	19700	1120
	Data Avg.	258.0	362	47	33	122	14	1710	1190	14300	378	3310	2310	25800	870
1955	10	1010.0	31	32	87	74	16	676	1850	3050	188	1370	3730	5290	498
1955	11	113.0	30	82	25	84	79	3870	1180	4430	3540	7270	2230	8310	6480
1955	12	87.9	31	90	21	90	89	4870	1160	4980	4680	9080	2160	9340	8710
1956	1	77.4	31	85	18	90	79	5370	1120	7940	4780	9480	1980	13500	8510
1956	2	89.3	29	81	20	89	73	4780	1150	5280	3930	8520	2060	9110	7230
1956	3	62.2	31	95	16	105	79	4830	812	5720	3880	9310	1570	11000	7600
1956	4	73.0	30	76	15	90	44	4000	788	5620	2200	8010	1580	11600	4550
1956	5	107.0	31	51	15	103	21	2390	693	3540	880	4730	1370	6820	1670
1956	6	185.0	30	40	20	79	17	1140	566	3540	365	2300	1150	6600	822
1956	7	47.8	31	64	8	103	18	2030	262	3590	880	3770	487	6610	1670
1956	8	20.0	31	97	5	167	58	2620	141	3100	1440	4970	269	5800	2770
1956	9	0.0	31												
	Data Avg.	157.0	366	49	21	167	16	1910	811	7940	188	3650	1550	13500	498

STATION: N. CANADIAN RIVER NEAR WETUMPKA, OKLA.

NUMBER: 388 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1956	10	4.3	31	86	1	76	76	860	10	860	860	1720	20	1690	1690
1956	11	42.0	30	79	9	119	54	987	112	1850	520	1970	223	3340	1150
1956	12	58.4	31	82	13	140	21	1390	219	4090	280	2690	424	7480	592
1957	1	84.0	29	88	20	122	30	1370	310	2200	480	2820	640	4380	1060
1957	2	56.6	28	98	15	122	41	1440	220	1750	840	3020	462	3660	1820
1957	3	58.4	31	114	18	351	72	1720	272	1920	1260	3550	561	4050	2450
1957	4	1710.0	30	19	87	68	10	323	1490	1950	145	784	3620	3990	423
1957	5	6300.0	31	19	329	138	7	113	1930	442	48	355	6040	1000	190
1957	6	6080.0	30	31	507	66	21	142	2330	610	99	423	6960	1480	320
1957	7	1830.0	31	71	351	73	68	179	882	215	138	575	2840	636	480
1957	8	1230.0	31	60	199	61	54	163	541	395	118	513	1710	943	430
1957	9	984.0	26	40	106	60	36	218	579	760	171	567	1510	1560	478
	Data Avg.	1560.0	359	33	139	351	7	177	745	4090	48	499	2100	7480	190

STATION: NORTH FORK NINNESCAH RIVER NEAR CHENEY, KANSAS

NUMBER: 714 BASIN: ARKANSAS TRIBUTARY TO: NINNESCAH

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	9	176.0	30	38	18	45	32	150	71	174	131	494	236	552	443
	Data Avg.	176.0	30	38	18	45	32	150	71	174	131	494	236	552	443
1950	10	121.0	31	40	13	48	27	160	52	192	97	511	167	600	323
1950	11	99.1	30	52	14	59	49	195	52	198	192	633	170	640	620
1950	12	111.0	31	48	14	52	44	197	59	212	188	634	190	684	615
1951	1	112.0	31	48	15	49	47	197	60	200	195	632	191	656	608
1951	2	161.0	30	52	23	69	40	208	91	262	165	647	282	771	532
1951	3	140.0	29	51	19	52	50	191	72	202	125	626	238	672	468
1951	4	163.0	30	52	23	55	30	175	77	208	70	603	266	683	388
1951	5	1240.0	30	23	79	55	13	54	181	175	20	278	935	633	128
1951	6	1130.0	30	25	76	45	17	46	141	120	18	272	829	475	179
1951	7	510.0	31	29	40	43	14	74	102	117	30	351	485	469	220
1951	8	174.0	31	44	21	47	39	133	62	158	85	452	212	494	362
1951	9	1040.0	30	25	70	49	8	47	133	154	8	260	731	509	83
	Data Avg.	415.0	364	30	34	69	8	80	90	262	8	348	390	771	83

STATION: PETIT JEAN CREEK AT DANVILLE, ARKANSAS

NUMBER: 413 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	19.1	31	6		7	5	5		6	5	56	3	57	55
1948	11	12.2	30	7		8	6	5		6	5	61	2	64	59
1948	12	110.0	31	5	2	5	4	5	1	5	5	64	19	68	53
1949	1	3050.0	31	5	38	8	4	3	27	6	2	48	396	64	42
1949	2	4940.0	28	5	66	6	4	3	38	3	3	48	641	50	45
1949	3	1860.0	31	7	33	7	6	4	19	4	4	52	263	55	50
1949	4	1070.0	30	11	32	12	10	5	15	6	5	54	157	55	50
1949	5	840.0	31	9	20	10	7	5	11	5	4	55	126	57	49
1949	6	1080.0	30	5	15	6	5	4	11	5	3	59	173	62	56
1949	7	120.0	31	6	2	7	6	5	2	5	5	60	20	61	58
1949	8	50.5	31	6	1	7	6	4	1	5	4	54	7	55	53
1949	9	59.6	30	6	1	6	5	7	1	9	5	60	10	63	58
	Data Avg.	1080.0	365	6	17	12	4	3	10	9	2	51	148	68	42
1949	10	123.0	31	5	2	6	5	7	2	28	6	54	18	66	53
1949	11	59.3	30	7	1	8	7	38	6	60	5	61	10	62	59
1949	12	289.0	31	6	5	7	6	6	4	10	5	37	29	55	35
1950	1	3820.0	31	7	73	9	6	4	38	5	3	30	310	35	28
1950	2	3990.0	28	7	75	9	2	2	26	3	2	28	305	48	13
1950	3	1930.0	31	8	41	10	6	3	14	4	2	28	145	48	20
1950	4	412.0	30	8	9	10	7	4	5	5	4	35	39	37	34
1950	5	2670.0	31	8	59	10	7	4	32	5	4	31	223	34	27
1950	6	948.0	30	11	29	13	8	3	8	4	3	43	110	56	38
1950	7	893.0	31	6	14	9	5	8	19	10	4	40	97	60	36
1950	8	1530.0	30	7	28	7	6	4	17	5	3	40	166	55	31
1950	9	1110.0	30	5	15	6	5	3	8	5	3	29	87	54	23
	Data Avg.	1470.0	364	7	29	13	2	4	15	60	2	32	127	66	13
1950	10	331.0	31	7	7	8	6	4	3	5	3	50	44	55	42
1950	11	90.0	30	6	2	9	4	5	1	6	4	63	15	69	54
1950	12	45.2	31	9	1	15	6	5	1	6	5	57	7	65	54
1951	1	498.0	31	9	13	10	8	5	7	6	5	50	68	55	47
1951	2	1950.0	28	10	54	11	10	4	21	6	3	34	180	62	28
1951	3	1730.0	31	11	51	11	9	4	19	5	4	37	175	49	36
1951	4	679.0	30	11	20	12	10	5	10	6	5	51	94	60	38
1951	5	330.0	31	11	10	12	8	5	4	6	5	58	52	61	54
1951	6	446.0	30	12	14	13	8	5	6	5	5	54	65	57	53
1951	7	442.0	31	7	9	10	7	5	6	5	5	47	57	61	39
1951	8	181.0	31	8	4	8	7	5	2	5	5	49	24	55	45
1951	9	70.0	30	8	2	9	8	5	1	5	4	57	11	63	55
	Data Avg.	558.0	365	10	15	15	4	4	7	6	3	43	65	69	28

STATION: PETIT JEAN CREEK AT DANVILLE, ARKANSAS

NUMBER: 413 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	150.0	31	7	3	10	6	5	2	5	5	54	22	55	51
1951	11	1950.0	30	8	42	10	7	6	32	9	5	61	324	90	55
1951	12	1300.0	31	42	147	110	7	5	19	6	4	66	230	75	60
1952	1	1310.0	31	9	34	11	9	6	20	7	5	55	195	63	48
1952	2	470.0	29	10	13	11	9	7	8	7	7	63	80	71	60
1952	3	2370.0	31	10	61	11	9	9	58	26	6	72	459	108	57
1952	4	3520.0	30	7	62	9	5	3	31	5	3	55	523	62	52
1952	5	2110.0	31	7	41	9	6	3	18	4	3	61	347	64	58
1952	6	218.0	30	5	3	6	5	4	2	5	4	55	32	59	52
1952	7	17.7	31	5		6	4	5		6	5	60	3	62	53
1952	8	47.1	31	7	1	8	6	5	1	6	4	71	9	81	61
1952	9	20.4	30	8		9	7	6		6	5	61	3	62	58
	Data Avg.	1120.0	366	11	34	110	4	5	16	26	3	61	186	108	48

STATION: PINEY CREEK NEAR DOVER, ARKANSAS

NUMBER: 985 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	38.2	31	4		4	4	4		4	3	48	5	51	42
1955	11	29.3	30	4		4	4	3		3	3	38	3	44	38
1955	12	28.1	31	4		4	4	3		4	2	40	3	43	36
1956	1	17.4	31	4		5	4	5		5	4	43	2	43	41
1956	2	1380.0	29	4	14	4	3	3	12	3	3	37	139	39	36
1956	3	159.0	31	5	2	5	3	5	2	8	4	37	16	49	36
1956	4	474.0	30	2	3	4	2	3	4	4	2	42	54	44	35
1956	5	456.0	31	2	2	2	1	2	2	3	2	43	53	49	40
1956	6	47.8	30	3		3	2	2		2	2	46	6	48	34
1956	7	20.9	31	4		5	2	2		3	2	53	3	58	39
1956	8	1.3	31	3		4	1	2		8	2	41		72	40
1956	9	0.3	30	3		4	2	2		4	2	44		56	42
	Data Avg.	216.0	366	3	2	5	1	3	2	8	2	39	23	72	34

STATION: POTEAU RIVER AT WISTER RES. NEAR WISTER, OKLAHOMA

NUMBER: 711 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	70.4	31	13	2	13	13	5	1	6	4	69	13	78	60
1947	11	159.0	30	14	6	15	13	6	3	6	5	68	29	77	65
1947	12	507.0	17	13	18	15	9	4	6	5	4	67	92	72	59
1948	1	253.0	15	18	12	18	18	5	4	5	5	61	42	61	61
1948	2	2590.0	28	13	90	23	10	6	40	8	4	67	470	73	63
1948	3	2840.0	31	11	82	13	10	4	30	5	3	64	490	69	61
1948	4	1090.0	29	16	46	16	15	4	13	5	4	66	194	68	58
1948	5	1240.0	31	16	53	21	14	4	14	6	3	69	232	79	66
1948	6	85.5	30	16	4	18	15	4	1	5	4	82	19	98	64
1948	7	357.0	31	13	13	15	13	5	5	7	5	75	73	108	71
1948	8	251.0	31	18	12	21	15	4	3	6	3	85	57	90	81
1948	9	17.4	30	13	1	14	12	7		8	6	70	3	71	69
	Data Avg.	814.0	334	13	29	23	9	5	10	8	3	67	148	108	56
1954	10	0.0	31												
1954	11	55.1	30	8	1	8	8	5	1	5	5	56	8	56	56
1954	12	514.0	31	10	14	10	10	3	5	3	3	56	78	56	56
1955	1	1030.0	31	10	27	10	10	3	8	3	3	35	98	35	35
1955	2	1450.0	28	14	55	14	14	3	14	4	4	40	157	40	40
1955	3	2290.0	31	9	57	9	9	5	31	5	5	37	228	37	37
1955	4	2460.0	30	10	67	10	10	4	24	4	4	42	279	42	42
1955	5	368.0	31	18	18	18	18	5	5	5	5	51	51	51	51
1955	6	0.0	30												
1955	7	0.0	31												
1955	8	0.0	31												
1955	9	0.0	30												
	Data Avg.	1160.0	365	11	34	18	8	4	12	5	3	41	128	56	35

STATION: SALT FORK AT ALVA, OKLAHOMA

NUMBER: 231 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	15.5	31	787	33	817	769	269	11	278	265	1800	76	1840	1770
1950	11	27.5	30	719	54	770	694	253	19	262	250	1640	122	1710	1600
1950	12	31.3	31	677	57	945	649	244	21	308	225	1580	134	2130	1490
1951	1	37.3	31	679	68	915	666	260	26	320	248	1620	164	2150	1560
1951	2	69.1	28	671	125	1240	505	184	34	192	122	1460	273	2370	1060
1951	3	61.7	31	702	117	798	610	225	38	282	105	1600	267	1840	1260
1951	4	57.9	30	721	113	754	696	253	40	292	210	1700	266	1890	1560
1951	5	792.0	31	552	1180	867	399	68	146	312	46	1140	2440	1920	862
1951	6	1420.0	30	474	1820	887	331	41	159	202	30	956	3670	1830	754
1951	7	362.0	31	718	701	1010	490	95	93	168	35	1390	1360	1950	934
1951	8	30.6	31	951	79	1100	917	179	15	242	132	1910	158	2180	1780
1951	9	231.0	30	528	329	961	189	80	50	182	23	1060	662	1900	429
	Data Avg.	261.0	365	553	390	1240	189	77	54	320	23	1130	799	2370	429

STATION: SALT FORK AT JET, OKLAHOMA

NUMBER: 235 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	7.4	31	1150	23	1150	1150	9290	185	9300	9300	17600	351	17600	17600
1955	2	0.3	10	1370	1	1370	1370	13300	11	13300	13300	27100	22	27100	27100
1955	3	0.1	31	1310		1310	1310	12800	3	12800	12800	23500	6	23500	23500
1955	4	1.5	30	1360	6	1360	1360	12800	52	12800	12800	23900	97	23900	23900
1955	5	107.0	31	754	217	1390	714	6040	1740	13000	5370	11300	3270	24200	10100
1955	6	1420.0	30	239	918	313	202	2720	10400	4480	1600	5300	20300	8540	3260
1955	7	250.0	31	417	282	485	421	1710	1140	2300	1700	3610	2440	4840	3600
1955	8	7.4	31	569	11	570	570	4770	95	4770	4770	8950	179	8960	8960
1955	9	63.1	10	561	96	582	218	3460	589	3590	1280	6770	1160	7040	2480
	Data Avg.	233.0	235	305	192	1390	202	2830	1780	13300	1280	5520	3480	27100	2480

STATION: SKELETON CREEK NEAR LOVELL, OKLAHOMA

NUMBER: 252 BASIN: ARKANSAS TRIBUTARY TO: CIMARRON

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1950	10	14.5	31	180	7	198	92	503	20	555	160	1540	60	1680	563
1950	11	13.2	30	199	7	204	196	570	20	670	495	1710	61	1870	1600
1950	12	11.8	31	218	7	226	153	520	17	765	395	1650	52	2100	1250
1951	1	10.8	31	216	6	224	205	523	15	650	460	1610	47	1800	1470
1951	2	25.7	28	164	11	250	107	333	23	655	148	1110	77	1930	584
1951	3	13.5	31	213	8	237	193	393	14	520	358	1330	49	1610	1240
1951	4	14.3	30	166	6	216	136	347	13	510	205	1130	44	1510	772
1951	5	437.0	31	66	78	187	19	93	110	362	17	419	496	1170	114
1951	6	271.0	30	48	35	160	18	73	53	305	23	325	238	1040	160
1951	7	198.0	31	39	21	175	12	69	37	395	16	306	163	1310	130
1951	8	7.5	31	156	3	161	149	448	9	450	445	1420	29	1440	1390
1951	9	43.3	30	39	5	175	21	76	9	470	19	307	36	1410	122
	Data Avg.	88.9	365	68	16	250	12	119	29	765	16	471	113	2100	114
1951	10	15.4	31	110	5	164	44	220	9	280	98	781	32	1060	342
1951	11	25.2	30	82	6	154	52	145	10	262	79	555	38	1020	339
1951	12	9.8	31	171	5	207	69	270	7	325	106	1050	28	1280	480
1952	1	12.4	31	188	6	194	184	308	10	322	290	1160	39	1220	1080
1952	2	10.9	29	187	6	197	176	322	9	372	255	1200	35	1310	1050
1952	3	40.4	31	90	10	176	46	111	12	260	47	515	56	1030	293
1952	4	25.2	30	134	9	207	83	193	13	345	85	773	53	1280	406
1952	5	21.3	31	95	5	163	67	167	10	350	92	630	36	1170	388
1952	6	18.2	30	74	4	123	60	103	5	442	50	447	22	1280	300
1952	7	1.2	31	136		151	86	516	2	605	295	1450	5	1660	868
1952	8	41.3	31	30	3	156	20	102	11	650	14	358	40	1740	202
1952	9	1.4	30	100		135	25	246	1	460	29	806	3	1150	236
	Data Avg.	18.6	366	97	5	207	20	166	8	650	14	642	32	1740	202
1952	10	0.4	31	177		195	129	392		460	318	1280	1	1420	1070
1952	11	2.6	30	163	1	181	101	355	2	398	220	1220	8	1330	791
1952	12	6.5	31	118	2	152	73	233	4	375	144	868	15	1150	566
1953	1	3.3	31	164	1	196	72	297	3	358	137	1090	10	1260	530
1953	2	3.8	28	174	2	193	119	332	3	388	180	1150	12	1320	728
1953	3	12.0	31	102	3	168	64	179	6	338	100	693	23	1190	436
1953	4	10.3	30	119	3	178	53	231	6	380	86	801	22	1220	356
1953	5	29.7	31	41	3	160	29	69	6	380	42	304	24	1250	219
1953	6	73.1	30	22	4	107	19	35	7	278	18	198	39	868	145
1953	7	32.1	31	34	3	135	16	77	7	302	26	308	27	996	176
1953	8	25.7	31	27	2	85	15	46	3	172	22	226	16	601	148
1953	9	3.8	22	44		112	33	92	1	255	74	378	4	898	318
	Data Avg.	17.3	357	47	2	196	15	88	4	460	18	366	17	1420	145

STATION: SKELETON CREEK NEAR LOVELL, OKLAHOMA

NUMBER: 252 BASIN: ARKANSAS TRIBUTARY TO: CIMARRON

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	35.1	31	16	2	113	14	27	3	315	18	167	16	1000	144
1953	11	53.2	30	21	4	42	10	40	7	100	9	199	34	382	122
1953	12	32.6	31	29	3	163	15	48	4	308	14	228	20	1110	132
1954	1	4.6	31	171	2	174	168	361	5	378	352	1230	15	1270	1210
1954	2	19.2	28	50	3	176	22	90	5	360	21	374	19	1240	177
1954	3	12.1	31	99	3	167	33	201	7	530	22	764	25	1580	227
1954	4	5.3	30	90	1	120	30	206	3	325	37	783	11	1140	220
1954	5	72.5	31	44	9	142	30	59	12	215	36	297	58	766	235
1954	6	14.6	30	39	2	88	12	76	3	200	55	347	14	712	278
1954	7	0.4	31	67		61	46	183		220	130	658	1	747	511
1954	8	24.5	31	25	2	95	21	25	2	488	12	165	11	1190	121
1954	9	23.7	30	31	2	152	29	50	3	240	47	259	17	940	250
	Data Avg.	25.7	365	37	3	176	10	62	4	530	8	290	20	1580	121
1954	10	2.5	31	79	1	104	33	177	1	445	68	638	4	1150	281
1954	11	1.3	30	115		135	92	277	1	375	228	940	3	1090	774
1954	12	2.1	31	138	1	141	104	210	1	310	90	1130	7	1170	885
1955	1	3.7	31	138	1	140	136	289	3	300	272	1100	11	1100	1090
1955	2	6.4	28	88	2	144	54	196	3	310	105	690	12	1120	406
1955	3	2.6	31	131	1	144	124	323	2	358	282	1110	8	1160	1020
1955	4	2.8	30	138	1	142	128	325	2	382	280	1130	9	1270	1030
1955	5	1550.0	31	22	94	131	7	30	128	392	8	154	648	1300	80
1955	6	535.0	30	74	107	202	13	192	278	565	8	611	884	1630	67
1955	7	28.0	31	86	7	221	63	243	18	630	145	715	54	1540	464
1955	8	5.4	31	151	2	164	142	572	8	875	450	1670	24	1990	1300
1955	9	21.5	30	69	4	172	52	188	11	770	137	569	33	1780	428
	Data Avg.	182.0	365	37	18	221	7	77	38	875	8	287	141	1990	67

STATION: SOUTH FORK NINNESCAH RIVER NEAR MURDOCK, KANSAS

NUMBER: 715 BASIN: ARKANSAS TRIBUTARY TO: NINNESCAH

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	9	198.0	30	42	22	48	25	257	137	318	126	721	385	850	414
	Data Avg.	198.0	30	42	22	48	25	257	137	318	126	721	385	850	414
1950	10	132.0	31	47	17	50	43	303	109	322	278	812	291	861	756
1950	11	592.0	30	404	647	470	48	301	481	312	300	806	1290	816	806
1950	12	171.0	31	47	22	60	43	309	142	390	290	801	369	1030	756
1951	1	146.0	31	44	17	48	38	297	117	312	282	791	312	832	760
1951	2	180.0	28	43	21	45	41	258	126	280	230	713	347	762	663
1951	3	182.0	31	45	22	48	38	264	130	302	198	732	360	814	603
1951	4	184.0	30	58	29	97	27	262	130	292	151	723	358	787	455
1951	5	842.0	31	20	46	46	12	84	190	292	34	332	757	761	222
1951	6	809.0	30	19	42	41	11	81	176	208	34	318	695	637	213
1951	7	474.0	31	41	53	300	11	196	251	440	41	376	481	616	212
1951	8	154.0	31	44	19	46	43	262	109	290	198	664	276	699	581
1951	9	764.0	30	18	37	48	10	78	161	332	22	318	658	788	190
	Data Avg.	385.0	365	77	80	470	10	170	177	440	22	495	515	1030	190

STATION: [illegible] RIVER NEAR GUTHRIE, OKLAHOMA

NUMBER: 300 BASIN: ARKANSAS TRIBUTARY TO: NEOSHO

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1947	10	228.0	31	115	71	137	100	11	7	13	10	313	193	324	292
1947	11	264.0	30	102	73	109	92	15	11	18	10	305	217	317	285
1947	12	192.0	31	127	66	131	121	13	7	15	12	349	181	368	328
1948	1	262.0	31	124	88	138	107	13	9	15	12	348	246	370	326
1948	2	395.0	29	98	105	126	65	10	11	12	8	286	305	330	227
1948	3	2600.0	31	55	384	67	45	7	49	10	6	169	1190	214	146
1948	4	722.0	30	73	143	81	67	6	12	7	6	239	466	270	222
1948	5	1250.0	31	83	282	188	40	6	21	10	5	232	787	383	148
1948	6	10000.0	30	47	1270	129	41	2	66	8	2	128	3450	312	112
1948	7	5650.0	31	50	758	86	29	3	53	6	3	150	2290	238	93
1948	8	1710.0	31	78	362	93	74	6	26	6	5	236	1090	273	219
1948	9	546.0	30	94	139	115	77	7	10	8	6	272	402	309	244
	Data Avg.	1980.0	366	58	312	188	29	4	23	18	2	168	902	383	93
1948	10	303.0	31	139	114	156	126	10	8	11	10	347	284	375	327
1948	11	691.0	30	77	143	114	62	7	13	9	7	224	419	311	190
1948	12	328.0	31	125	111	140	117	8	7	10	2	333	295	361	322
1949	1	3340.0	31	75	679	130	59	6	57	10	5	201	1810	337	188
1949	2	5540.0	28	61	910	73	55	5	78	7	5	175	2620	202	156
1949	3	3200.0	31	69	595	78	61	6	51	6	6	209	1810	239	187
1949	4	2040.0	30	69	383	76	59	6	32	6	6	220	1210	227	216
1949	5	4060.0	31	30	326	72	5	4	48	6	4	183	2000	220	170
1949	6	3280.0	30	50	444	99	28	4	38	6	3	177	1570	265	133
1949	7	1470.0	31	64	252	75	58	4	17	5	4	202	803	240	177
1949	8	436.0	31	77	91	88	72	7	9	8	7	251	296	267	245
1949	9	1050.0	30	76	215	91	69	5	15	9	5	216	615	278	191
	Data Avg.	2120.0	365	61	351	156	5	5	31	11	2	198	1130	375	133

STATION: TURKEY CREEK NEAR DRUMMOND, OKLAHOMA

NUMBER: 249 BASIN: ARKANSAS TRIBUTARY TO: CIMARRON

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	0.3	4	200		212	212	1100	1	1070	1070	2200	1	2190	2190
1947	11	0.2	30	160		194	136	699		860	615	1620	1	1890	1490
1947	12	10.6	31	32	1	141	8	118	3	560	20	240	7	1370	132
1948	1	0.3	15	180		211	156	599	1	715	535	1460	1	1680	1300
1948	2	2.8	17	358	3	526	240	945	7	1520	295	1960	15	3390	1920
1948	3	22.1	27	34	2	120	19	92	6	730	31	300	18	958	218
1948	4	2.8	30	88	1	141	56	311	2	490	192	811	6	1170	563
1948	5	55.9	31	28	4	139	15	68	10	580	10	251	38	1330	162
1948	6	19.8	30	21	1	211	16	58	3	835	18	270	14	1820	213
1948	7	20.8	31	27	2	68	17	83	5	255	32	291	16	672	196
1948	8	34.6	31	19	2	53	2	18	2	188	11	152	14	579	79
1948	9	0.2	10	50		41	41	150		155	155	450		458	458
	Data Avg.	17.8	287	31	1	526	2	78	4	1520	10	271	13	3390	79

STATION: UTE CREEK NEAR BUEYEROS, NEW MEXICO

NUMBER: 359 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	4.0	1	100	1	103	103	25		22	22	425	5	413	413
1950	2	5.9	24	106	2	106	106	24		24	24	421	7	421	421
1950	3	3.4	31	122	1	122	122	28		28	28	454	4	454	454
1950	4	3.3	30	133	1	133	133	30		30	30	469	4	470	470
1950	5	2.0	31	168	1	167	167	35		35	35	543	3	543	543
1950	6	4.6	29	170	2	170	169	33		34	33	534	7	545	527
1950	7	393.0	28	42	45	165	34	7	7	33	1	222	236	539	142
1950	8	13.2	28	120	4	120	120	20	1	20	20	425	15	425	425
1950	9	31.8	26	60	5	108	32	11	1	19	7	266	23	399	188
	Data Avg.	55.9	228	50	7	170	32	8	1	35	1	242	37	545	142
1950	10	6.8	31	107	2	107	107	23		23	23	410	8	411	411
1950	11	5.6	30	108	2	108	108	26		26	26	423	6	424	424
1950	12	4.3	31	105	1	105	105	23		23	23	421	5	422	422
1951	1	7.3	31	107	2	107	107	22		22	22	431	9	432	432
1951	2	4.8	28	115	1	115	115	25		25	25	441	6	442	442
1951	3	4.0	31	119	1	119	119	25		25	25	445	5	445	445
1951	4	5.0	30	120	2	120	120	28		28	28	412	6	412	412
1951	5	122.0	31	49	16	118	41	10	3	26	8	251	82	437	228
1951	6	14.5	30	109	4	134	42	21	1	24	14	421	17	472	288
1951	7	105.0	31	47	13	112	30	9	2	12	8	271	77	423	233
1951	8	10.9	31	91	3	110	37	16		20	6	367	11	415	231
1951	9	0.9	30	144		144	144	26		27	27	511	1	511	511
	Data Avg.	24.6	365	61	4	144	30	12	1	28	6	294	20	511	228
1951	10	2.9	31	125	1	125	125	27		27	27	461	4	461	461
1951	11	3.7	30	106	1	106	106	25		25	25	425	4	425	425
1951	12	5.4	31	109	2	109	109	24		24	24	431	6	432	432
1952	1	8.6	31	107	2	107	107	23	1	23	23	427	10	427	427
1952	2	4.5	29	110	1	110	110	25		25	25	432	5	433	433
1952	3	4.7	31	114	1	114	114	29		29	29	450	6	450	450
1952	4	6.1	30	115	2	115	115	29		29	29	445	7	446	446
1952	5	7.2	31	129	3	129	129	28	1	28	28	477	9	477	477
1952	6	5.9	20	126	2	126	126	29		29	29	470	7	470	470
1952	7	80.5	4	59	13	59	59	6	1	6	6	250	54	250	250
1952	8	173.0	31	31	14	107	28	9	4	26	8	247	115	429	240
1952	9	3.3	30	112	1	112	112	22		22	22	425	4	425	425
	Data Avg.	21.9	329	50	3	129	28	12	1	29	6	289	17	477	240

STATION: UTE CREEK NEAR HUEVEROS, NEW MEXICO

NUMBER: 359 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1952	10	1.7	31	218	1	118	118	26		26	26	435	2	449	449
1952	11	3.4	30	109	1	112	112	27		27	27	435	4	444	444
1952	12	5.7	31	130	2	99	99	24		24	24	389	6	408	408
1953	1	6.4	31	116	2	99	99	23		23	23	405	7	406	406
1953	2	4.0	28	93	1	98	98	25		25	25	370	4	408	408
1953	3	3.9	31	95	1	112	112	28		28	28	379	4	434	434
1953	4	3.0	30	123	1	120	120	25		25	25	493	4	441	441
1953	5	2.5	31	148	1	125	125	32		32	32	444	3	467	467
1953	6	0.2	17	119		119	119	35		35	35	454		454	454
1953	7	11.7	21	63	2	117	62	32	1	34	16	285	9	449	242
1953	8	164.0	30	36	16	109	34	9	4	30	8	233	104	428	226
1953	9	48.4	20	38	5	131	34	8	1	26	9	237	31	486	226
	Data Avg.	21.3	331	52	3	131	34	17	1	35	9	261	15	486	226

STATION: UTE CREEK NEAR LOGAN, NEW MEXICO

NUMBER: 360 BASIN: ARKANSAS TRIBUTARY TO: CANADIAN

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	0.0	19												
1950	11	0.0	30												
1950	12	0.0	30												
1951	1	0.4	16	128		134	125	43		50	46	500	1	501	493
1951	2	1.0	27	296	1	369	119	68		80	45	810	2	989	459
1951	3	0.2	30	300		295	135	60		69	61	819		811	547
1951	4	0.0	30												
1951	5	213.0	30	52	30	251	8	14	8	105	4	306	176	844	201
1951	6	30.4	25	106	9	140	98	50	4	54	42	480	39	534	467
1951	7	347.0	22	126	118	129	115	20	19	56	19	457	428	503	455
1951	8	9.7	20	184	5	186	159	43	1	50	42	576	15	579	552
	Data Avg.	53.8	279	95	14	460	8	19	3	118	4	396	58	1210	201

STATION: VERDIGRIS RIVER NEAR CLAREMORE, OKLAHOMA

NUMBER: 278 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	15.0	21	27	1	27	26	67	3	69	66	305	12	307	302
1947	11	47.0	30	26	3	34	23	89	11	137	69	345	44	437	303
1947	12	200.0	31	30	16	32	26	112	61	118	110	405	219	440	389
1948	1	102.0	31	28	8	29	27	107	30	123	100	395	109	440	375
1948	2	126.0	29	48	16	51	43	147	50	168	133	476	162	548	458
1948	3	3530.0	31	34	327	56	27	91	871	182	55	322	3070	526	228
1948	4	2210.0	30	23	136	41	21	67	402	120	63	262	1560	446	245
1948	5	1940.0	31	28	144	31	26	70	366	110	60	287	1500	393	254
1948	6	14100.0	30	9	334	32	8	35	1340	95	34	131	5010	377	126
1948	7	24200.0	30	12	814	31	10	21	1370	64	17	162	10600	320	133
1948	8	6030.0	31	18	291	33	13	37	600	91	22	203	3320	388	142
1948	9	185.0	30	35	18	39	34	104	52	134	87	395	198	486	355
	Data Avg.	4370.0	365	15	175	56	8	36	429	182	17	182	2150	548	126
1948	10	56.8	31	41	6	41	40	143	22	155	133	471	72	500	450
1948	11	1110.0	30	21	63	41	19	71	213	144	58	249	749	461	208
1948	12	171.0	31	36	17	41	32	118	55	135	102	442	204	486	393
1949	1	8760.0	31	22	517	43	20	47	1120	148	40	225	5310	495	211
1949	2	13100.0	28	26	941	39	21	38	1370	66	30	231	8210	315	214
1949	3	5250.0	31	39	560	53	26	67	947	89	44	334	4740	418	252
1949	4	4960.0	30	37	493	52	31	61	815	85	47	311	4180	390	273
1949	5	10800.0	31	22	644	31	19	33	972	52	28	220	6440	273	204
1949	6	7600.0	30	19	389	24	13	31	630	44	25	205	4210	264	178
1949	7	6080.0	31	15	252	20	14	34	559	48	29	203	3340	267	185
1949	8	831.0	31	20	44	25	16	54	122	85	38	275	618	381	225
1949	9	1530.0	30	18	73	32	15	69	286	128	58	278	1150	441	242
	Data Avg.	4970.0	365	24	329	53	13	44	587	155	25	241	3240	500	178
1949	10	1450.0	31	19	75	26	15	76	296	93	59	279	1090	346	247
1949	11	290.0	30	25	20	29	23	93	73	110	86	388	305	423	365
1949	12	280.0	31	37	28	40	32	139	105	150	115	510	385	532	466
1950	1	860.0	31	45	105	47	43	159	371	175	151	563	1310	591	546
1950	2	841.0	28	47	106	66	41	139	315	200	105	485	1100	614	406
1950	3	619.0	31	55	91	56	52	168	282	178	160	578	968	605	556
1950	4	680.0	30	44	81	50	35	133	244	170	83	459	844	574	300
1950	5	5590.0	30	25	383	52	18	54	820	198	32	258	3900	662	201
1950	6	6890.0	30	20	378	34	18	38	712	83	32	245	4550	413	222
1950	7	12100.0	31	15	505	32	13	30	968	104	23	203	6650	403	173
1950	8	9670.0	31	16	412	24	13	34	887	57	28	224	5860	327	200
1950	9	3090.0	30	19	155	23	11	49	406	67	28	265	2220	320	183
	Data Avg.	3560.0	364	20	195	66	11	48	458	200	23	254	2440	662	173

STATION: VERDIGRIS RIVER NEAR CLAREMORE, OKLAHOMA

NUMBER: 278 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	817.0	31	23	52	38	17	56	124	124	26	285	628	509	178
1950	11	164.0	30	39	17	39	38	158	70	175	147	598	265	623	577
1950	12	148.0	31	41	16	43	39	179	72	190	172	661	264	668	653
1951	1	163.0	31	48	21	54	45	185	81	205	175	675	296	737	648
1951	2	2350.0	28	42	268	51	42	110	698	225	106	415	2630	747	403
1951	3	1450.0	31	49	192	57	43	122	480	150	92	481	1890	558	395
1951	4	2040.0	30	47	260	55	40	118	652	180	93	472	2600	663	411
1951	5	8320.0	31	28	632	44	22	59	1330	112	36	304	6840	466	223
1951	6	9830.0	30	18	486	28	15	31	822	57	18	205	5440	312	163
1951	7	27500.0	31	10	770	15	9	16	1220	24	13	164	12200	212	149
1951	8	3120.0	31	20	165	24	13	39	333	60	23	261	2210	321	219
1951	9	8120.0	30	15	326	21	10	31	683	50	18	205	4490	282	141
	Data Avg.	5360.0	365	18	267	57	9	38	545	225	13	229	3320	747	141
1951	10	2620.0	31	26	183	34	21	61	434	103	49	311	2200	476	262
1951	11	8830.0	30	27	639	35	22	37	890	70	26	246	5880	355	199
1951	12	1890.0	31	42	213	47	39	73	373	86	64	403	2050	457	374
1952	1	2140.0	31	52	300	56	48	99	570	136	80	447	2590	508	400
1952	2	2160.0	29	56	329	59	55	101	592	118	92	457	2670	481	439
1952	3	9540.0	31	36	937	55	26	42	1090	97	22	279	7200	421	208
1952	4	6370.0	30	45	778	51	40	55	941	70	42	337	5800	397	289
1952	5	1670.0	31	44	200	52	36	85	385	116	71	401	1800	460	305
1952	6	595.0	30	44	70	45	36	96	154	99	88	423	681	436	395
1952	7	88.4	31	35	8	61	33	116	28	168	98	440	105	551	402
1952	8	61.1	31	47	8	55	39	190	31	198	178	586	97	594	570
1952	9	25.3	30	39	3	57	29	172	12	202	138	507	35	587	409
	Data Avg.	2990.0	366	38	305	61	21	57	457	202	22	320	2590	594	199
1952	10	11.4	31	42	1	46	35	200	6	215	158	613	19	636	544
1952	11	23.8	30	51	3	87	37	159	10	166	157	555	36	646	528
1952	12	34.4	31	40	4	42	40	184	17	196	168	567	53	584	546
1953	1	43.8	31	48	6	58	39	236	28	265	210	694	82	730	642
1953	2	33.6	28	72	7	76	67	196	18	208	188	632	57	643	526
1953	3	533.0	31	53	76	61	45	207	298	260	143	596	858	694	460
1953	4	1660.0	30	40	181	47	37	111	497	158	89	390	1750	515	330
1953	5	1610.0	31	37	160	49	34	80	349	129	64	324	1410	449	269
1953	6	332.0	30	28	25	41	24	86	77	125	71	306	275	398	264
1953	7	176.0	31	25	12	29	23	119	56	141	66	371	177	418	250
1953	8	20.2	31	23	1	24	23	91	5	100	85	309	17	328	293
1953	9	274.0	30	32	24	33	23	173	128	185	85	467	346	484	309
	Data Avg.	397.0	365	39	42	87	23	116	124	265	64	395	424	730	250

STATION: VERDIGRIS RIVER NEAR CLAREMORE, OKLAHOMA

NUMBER: 278 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	22.3	31	24	1	29	23	137	8	202	104	376	23	520	306
1953	11	133.0	30	42	15	44	27	214	77	225	109	563	203	580	324
1953	12	90.9	31	35	9	39	34	195	48	212	168	517	127	554	458
1954	1	32.2	31	44	4	52	39	162	14	168	153	455	40	470	441
1954	2	29.8	28	37	3	39	35	192	15	215	152	516	42	553	438
1954	3	47.8	31	48	6	52	46	259	33	292	228	653	84	722	588
1954	4	528.0	30	23	33	51	22	109	155	285	100	355	506	702	336
1954	5	6550.0	31	17	302	35	15	50	882	126	40	231	4090	398	204
1954	6	875.0	30	32	75	37	23	127	300	202	95	390	922	527	332
1954	7	20.3	31	27	1	29	25	160	9	174	157	433	24	486	418
1954	8	31.1	31	23	2	38	15	179	15	220	125	485	41	533	419
1954	9	4.9	30	36		45	21	115	2	117	111	350	5	360	329
	Data Avg.	706.0	365	20	38	52	15	69	131	292	40	269	514	722	204

STATION: VERDIGRIS RIVER NEAR INOLA, OKLAHOMA

NUMBER: 283 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	56.7	31	33	5	53	27	444	68	780	302	933	143	1430	697
1947	11	65.7	30	23	4	28	17	484	86	700	375	974	173	1310	794
1947	12	218.0	31	36	21	36	25	232	137	665	160	616	363	1250	488
1948	1	139.0	31	27	10	28	26	471	177	640	405	959	360	1230	878
1948	2	182.0	29	41	20	45	32	457	225	880	330	989	487	1630	823
1948	3	4240.0	31	32	372	51	24	104	1190	330	51	341	3910	823	205
1948	4	2780.0	30	24	181	41	22	83	625	195	73	282	2120	503	256
1948	5	2420.0	31	28	185	30	27	88	575	158	64	314	2060	504	256
1948	6	14500.0	30	10	407	43	10	25	970	310	22	100	3920	716	91
1948	7	27700.0	31	11	787	27	8	34	2540	91	22	172	12900	369	91
1948	8	8250.0	31	16	366	29	11	61	1360	109	45	245	5460	416	173
1948	9	251.0	30	34	23	36	33	184	125	330	138	545	370	848	442
	Data Avg.	5100.0	366	15	200	53	8	49	678	880	22	197	2710	1630	91

STATION: VERDIGRIS RIVER AT INOLA, OKLAHOMA

NUMBER: 283 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1948	10	74.2	31	36	7	37	34	393	79	435	362	892	179	928	845
1948	11	1150.0	30	27	84	34	25	138	429	435	122	401	1250	928	372
1948	12	218.0	31	33	19	41	29	296	174	365	248	747	440	887	631
1949	1	9670.0	31	22	571	43	16	60	1580	355	36	246	6420	848	191
1949	2	14900.0	28	25	1000	38	21	43	1740	83	27	232	9360	356	208
1949	3	5880.0	31	41	646	45	32	82	1310	98	46	362	5750	424	254
1949	4	5760.0	30	34	532	46	23	68	1060	107	40	322	5010	459	234
1949	5	13600.0	31	22	795	32	16	38	1380	66	27	217	7980	306	162
1949	6	8320.0	30	19	429	25	15	40	891	62	31	216	4850	296	187
1949	7	6970.0	31	15	275	22	10	43	815	76	34	210	3970	332	176
1949	8	978.0	31	21	56	25	19	95	252	250	56	378	997	670	301
1949	9	1650.0	30	19	85	38	13	102	456	375	52	347	1550	897	227
	Data Avg.	5710.0	365	24	371	46	10	54	841	435	27	256	3940	928	162
1949	10	1540.0	31	19	79	23	17	111	462	174	99	357	1480	491	313
1949	11	351.0	30	24	23	26	23	163	154	192	145	508	481	578	461
1949	12	316.0	31	35	30	38	31	238	203	270	210	671	572	714	608
1950	1	986.0	31	42	112	45	40	223	594	252	170	664	1770	705	560
1950	2	1010.0	28	44	121	49	43	188	515	258	116	575	1570	726	363
1950	3	841.0	31	50	114	55	30	207	470	290	71	620	1410	710	291
1950	4	864.0	30	38	90	48	26	174	407	220	111	521	1220	646	358
1950	5	8770.0	31	24	560	48	16	59	1390	210	33	259	6130	704	191
1950	6	7860.0	30	19	409	31	17	49	1030	260	40	253	5370	690	228
1950	7	12800.0	31	14	477	37	12	35	1230	141	27	201	6970	470	181
1950	8	4550.0	31	17	212	22	13	50	611	78	31	260	3200	348	202
1950	9	3220.0	30	19	167	25	10	61	531	96	33	291	2540	398	197
	Data Avg.	3620.0	365	20	200	55	10	65	635	290	27	280	2740	726	181
1950	10	913.0	31	24	59	34	20	79	194	184	42	325	801	588	228
1950	11	183.0	30	36	18	37	36	244	121	275	212	760	376	822	695
1950	12	169.0	31	37	17	38	37	342	156	370	305	959	438	1010	890
1951	1	209.0	31	42	24	48	39	369	208	410	302	1020	578	1150	844
1951	2	3050.0	28	38	312	49	25	142	1170	420	67	460	3800	1110	278
1951	3	1880.0	31	49	247	58	43	144	732	175	118	522	2660	594	438
1951	4	2370.0	30	48	305	56	39	152	973	330	125	543	3480	877	468
1951	5	9250.0	31	27	673	40	20	71	1770	308	32	321	8030	860	203
1951	6	11500.0	30	19	575	32	15	40	1240	210	26	227	7050	630	185
1951	7	35300.0	31	11	1080	17	10	18	1740	33	14	167	15900	242	151
1951	8	3320.0	31	20	179	29	15	61	547	131	29	310	2790	496	210
1951	9	9320.0	30	16	400	18	11	40	1000	52	34	212	5340	260	172
	Data Avg.	6490.0	365	18	324	58	10	47	819	420	14	244	4280	1150	151

STATION: VERDIGRIS RIVER AT INOLA, OKLAHOMA

NUMBER: 283 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	3320.0	31	23	205	33	18	65	582	102	56	283	2540	404	242
1951	11	10500.0	30	29	836	36	25	49	1400	75	32	264	7510	322	190
1951	12	2240.0	31	43	259	47	41	96	580	108	79	437	2650	470	403
1952	1	2510.0	30	49	330	52	47	100	680	121	87	444	3010	512	402
1952	2	2690.0	29	53	386	57	44	106	769	134	90	449	3260	495	364
1952	3	11300.0	31	36	1100	55	30	54	1640	154	38	289	8860	494	236
1952	4	7770.0	30	41	870	52	37	66	1380	97	52	346	7260	460	302
1952	5	2180.0	31	40	238	48	35	86	509	135	78	388	2290	516	329
1952	6	930.0	30	38	95	44	31	98	246	220	54	384	966	634	244
1952	7	147.0	31	29	11	32	27	259	103	375	208	709	280	934	594
1952	8	91.5	31	33	8	37	27	325	80	355	262	817	202	856	681
1952	9	53.6	30	27	4	30	23	401	58	475	292	907	131	1010	726
	Data Avg.	3650.0	365	37	361	57	18	68	667	475	32	329	3240	1010	190
1952	10	42.7	31	21	2	23	19	374	43	470	260	857	99	1030	599
1952	11	83.2	30	20	4	22	17	257	58	392	191	633	142	872	523
1952	12	105.0	31	33	9	47	24	282	80	370	232	700	199	884	610
1953	1	98.8	31	30	8	34	26	240	64	300	162	624	167	736	495
1953	2	97.4	28	41	11	60	35	312	82	408	248	786	207	942	696
1953	3	1120.0	31	47	142	55	38	180	544	308	132	522	1570	782	414
1953	4	2970.0	30	37	301	58	29	100	804	232	52	336	2700	622	235
1953	5	3780.0	31	32	326	47	27	76	777	126	52	289	2960	426	210
1953	6	488.0	30	29	39	41	26	123	162	335	64	388	512	802	272
1953	7	376.0	31	29	29	47	19	150	152	320	91	421	428	764	300
1953	8	53.9	31	26	4	32	20	322	47	408	285	745	109	887	683
1953	9	386.0	30	24	25	28	19	145	151	420	126	396	413	943	358
	Data Avg.	804.0	365	35	75	60	17	114	248	470	52	366	795	1030	210
1953	10	141.0	31	21	8	30	13	188	72	325	76	471	180	747	234
1953	11	215.0	30	50	29	65	26	224	130	425	112	596	345	926	326
1953	12	148.0	31	40	16	65	37	269	107	402	230	652	260	882	582
1954	1	52.1	31	36	5	38	35	396	56	418	370	671	94	907	224
1954	2	55.4	28	44	7	52	39	340	51	410	292	812	121	956	714
1954	3	88.0	31	40	10	41	39	343	82	485	275	864	205	1160	694
1954	4	450.0	30	49	59	50	43	200	243	695	59	546	665	1460	260
1954	5	8010.0	31	16	342	48	10	39	840	153	22	202	4380	497	166
1954	6	1090.0	30	35	102	55	20	141	416	246	92	424	1250	620	320
1954	7	34.0	31	31	3	33	28	461	42	1000	251	1010	93	2020	650
1954	8	65.1	31	26	5	37	16	375	66	860	165	815	144	1680	432
1954	9	17.0	30	15	1	18	14	775	36	1150	550	1550	71	2230	1110
	Data Avg.	875.0	365	21	49	65	10	76	179	1150	22	277	656	2230	166

STATION: VERDIGRIS RIVER AT INOLA, OKLAHOMA

NUMBER: 283 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	1680.0	31	17	75	19	14	60	270	1350	38	201	910	2470	157
1954	11	159.0	30	25	11	26	22	158	68	452	138	407	176	1010	366
1954	12	65.4	31	26	5	28	25	252	44	458	210	611	108	986	529
1955	1	569.0	31	41	62	47	35	179	275	265	112	543	835	707	415
1955	2	532.0	28	50	72	59	33	181	260	230	80	539	774	699	317
1955	3	1410.0	31	37	143	81	33	140	535	485	110	446	1700	1220	376
1955	4	401.0	30	52	57	56	50	177	192	210	156	551	598	630	482
1955	5	6440.0	31	31	531	75	28	70	1220	240	42	246	4280	664	176
1955	6	2800.0	30	23	170	40	20	58	440	134	38	240	1810	418	185
1955	7	220.0	31	24	14	28	23	109	64	410	70	312	185	871	231
1955	8	53.9	31	34	5	37	29	282	41	490	112	666	97	1030	403
1955	9	59.3	30	24	4	35	21	306	49	720	122	683	110	1450	338
	Data Avg.	1210.0	365	30	96	81	14	89	289	1350	38	297	971	2470	157
1955	10	2070.0	31	17	96	21	15	60	334	148	54	226	1270	437	211
1955	11	36.4	30	28	3	29	26	320	31	480	153	736	72	1040	433
1955	12	33.7	31	31	3	37	16	320	29	595	240	783	71	1240	639
1956	1	27.1	31	33	2	38	28	393	29	505	290	916	67	1150	732
1956	2	42.3	29	40	5	41	34	241	28	265	225	668	76	707	644
1956	3	38.9	31	36	4	42	24	356	37	720	258	850	89	1530	681
1956	4	141.0	30	54	21	66	40	228	87	650	160	641	243	1430	508
1956	5	355.0	31	46	44	66	30	153	147	450	32	439	421	1070	165
1956	6	575.0	30	28	44	57	20	184	285	395	110	501	777	872	321
1956	7	169.0	31	23	11	29	17	213	97	340	140	522	238	766	374
1956	8	21.1	31	22	1	24	21	496	28	1390	232	1070	61	2790	574
1956	9	11.0	30	23	1	24	22	1290	38	1650	935	2480	74	3060	1860
	Data Avg.	296.0	366	24	20	66	15	122	98	1650	32	362	289	3060	165
1956	10	23.4	31	16	1	27	19	490	31	1700	238	1080	68	2930	616
1956	11	37.2	30	40	4	42	33	259	26	680	125	637	64	1360	411
1956	12	55.5	31	47	7	49	32	293	44	760	148	733	110	1470	470
1957	1	52.1	31	43	6	49	37	376	53	495	280	966	136	1180	750
1957	2	162.0	28	50	22	56	39	257	113	520	200	729	320	1160	631
1957	3	247.0	31	103	69	116	54	241	161	440	200	706	471	1120	618
1957	4	9760.0	30	25	671	54	21	67	1770	235	46	270	7140	660	212
1957	5	28700.0	31	15	1160	29	10	33	2590	90	26	169	13100	352	144
1957	6	41400.0	30	12	1310	12	11	33	3700	37	29	173	19400	189	156
1957	7	6530.0	31	17	294	35	15	46	819	132	30	244	4310	464	194
1957	8	301.0	31	42	34	48	36	148	120	190	36	556	452	677	471
1957	9	436.0	30	43	51	51	30	186	219	238	170	562	662	655	515
	Data Avg.	7300.0	365	15	302	116	10	41	803	1700	26	195	3850	2930	144

STATION: VERDIGRIS RIVER AT LENAPAH, OKLAHOMA

NUMBER: 270 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	1020.0	31	32	88	36	26	63	174	110	52	351	969	459	292
1951	11	3870.0	30	34	353	42	27	42	444	74	29	270	2830	379	207
1951	12	997.0	31	49	131	53	43	62	168	72	52	385	1040	437	345
1952	1	1260.0	31	52	176	56	49	72	244	85	58	408	1380	474	368
1952	2	938.0	29	61	155	63	60	91	231	119	69	451	1140	509	404
1952	3	5360.0	31	42	611	61	30	47	681	83	22	309	4470	414	228
1952	4	3780.0	30	44	448	51	37	52	529	80	42	337	3450	450	292
1952	5	756.0	31	49	99	49	48	68	140	76	60	416	851	436	399
1952	6	269.0	30	40	29	48	38	58	42	72	52	348	253	392	329
1952	7	37.7	31	41	4	43	39	87	9	95	78	379	39	408	357
1952	8	21.8	31	42	2	44	39	117	7	129	106	409	24	431	394
1952	9	12.3	30	50	2	52	48	141	5	151	133	465	15	497	448
	Data Avg.	1530.0	366	42	175	63	26	54	222	151	22	332	1370	509	207
1952	10	6.8	31	54	1	56	52	601	11	1720	162	532	10	544	522
1952	11	20.3	30	56	3	58	54	181	10	190	168	570	31	592	525
1952	12	20.6	31	67	4	70	64	203	11	218	188	628	35	662	587
1953	1	15.4	31	60	3	67	55	180	8	192	172	594	25	603	584
1953	2	17.3	28	62	3	65	56	204	10	210	198	618	29	627	605
1953	3	164.0	31	53	24	58	48	178	79	210	137	564	251	622	510
1953	4	282.0	30	44	34	52	41	125	96	172	98	408	311	568	136
1953	5	601.0	31	37	60	44	32	86	140	118	69	339	551	418	279
1953	6	83.4	30	37	8	37	33	110	25	110	109	379	85	380	373
1953	7	82.9	31	30	7	35	23	87	19	122	72	313	70	383	264
1953	8	17.5	31	32	2	33	31	113	5	124	108	369	17	378	367
1953	9	115.0	30	33	10	44	32	153	47	153	150	447	139	454	447
	Data Avg.	120.0	365	41	13	70	23	119	39	1720	69	402	130	662	136
1953	10	17.5	31	38	2	40	37	149	7	153	144	429	20	438	422
1953	11	77.3	30	31	6	42	29	113	24	163	102	360	75	462	339
1953	12	54.0	31	36	5	42	24	150	22	158	145	451	66	459	434
1954	1	17.5	31	32	2	36	29	141	7	149	136	428	20	434	420
1954	2	25.6	28	60	4	62	47	160	11	167	143	528	37	552	456
1954	3	23.2	31	52	3	62	39	230	14	262	215	608	38	659	580
1954	4	715.0	30	22	42	54	18	56	109	225	36	256	495	640	201
1954	5	3420.0	31	17	153	49	14	28	257	100	22	183	1690	424	163
1954	6	265.0	30	42	30	47	35	161	115	220	95	482	345	652	401
1954	7	16.9	31	45	2	47	34	212	10	261	206	553	25	604	545
1954	8	2.7	31	34		36	33	257	2	270	255	586	4	595	577
1954	9	1.4	30	38		41	36	269	1	298	260	607	2	654	604
	Data Avg.	390.0	365	20	21	62	14	46	48	298	22	224	236	659	163

STATION: VERDIGRIS RIVER AT LENAPAH, OKLAHOMA

NUMBER: 270 BASIN: ARKANSAS TRIBUTARY TO: ARKANSAS

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	1220.0	31	20	65	46	12	57	189	350	24	198	655	790	139
1954	11	32.3	30	28	2	32	27	79	7	80	75	293	26	311	290
1954	12	24.4	31	36	2	37	35	87	6	89	80	318	21	320	311
1955	1	306.0	31	40	33	54	33	75	62	128	52	337	278	462	275
1955	2	220.0	28	63	38	65	62	155	92	175	122	530	315	584	449
1955	3	288.0	31	55	43	68	53	103	80	120	100	422	328	482	409
1955	4	123.0	30	60	20	63	58	92	31	95	85	427	142	435	398
1955	5	2680.0	31	32	234	56	17	63	457	106	26	285	2060	384	186
1955	6	1070.0	30	23	68	36	14	43	126	83	14	213	619	342	130
1955	7	85.2	31	33	8	50	26	45	10	137	41	222	51	379	214
1955	8	5.5	31	34		35	33	140	2	141	139	401	6	413	394
1955	9	67.6	30	27	5	32	27	115	21	120	115	343	63	372	342
	Data Avg.	515.0	365	31	43	68	12	65	91	350	14	275	383	790	130
1955	10	1250.0	31	24	80	35	20	49	166	188	18	204	690	512	121
1955	11	7.1	30	26	1	28	24	82	2	88	78	304	6	319	294
1955	12	7.7	31	28	1	30	26	97	2	102	90	338	7	349	321
1956	1	10.9	31	36	1	40	29	108	3	110	105	392	12	400	368
1956	2	15.2	29	62	3	73	56	156	6	162	150	529	22	558	511
1956	3	5.4	31	70	1	72	68	170	2	172	167	574	8	583	563
1956	4	4.9	30	62	1	67	60	185	2	258	170	579	8	694	540
1956	5	59.8	31	104	17	280	46	239	39	290	180	707	114	778	566
1956	6	480.0	30	23	30	40	17	117	152	212	76	361	468	611	251
1956	7	217.0	31	19	11	20	17	114	67	135	68	341	200	384	246
1956	8	3.6	31	18		18	16	108	1	118	102	329	3	362	314
1956	9	0.4	30	17		15	15	125		128	128	350		349	349
	Data Avg.	173.0	366	26	12	280	15	79	37	290	18	275	129	778	121
1956	10	4.0	16	19		20	19	185	2	166	150	370	4	397	388
1956	11	14.5	30	26	1	36	23	153	5	198	142	408	16	531	401
1956	12	9.1	31	41	1	53	37	244	6	258	212	651	16	679	580
1957	1	6.6	31	56	1	53	43	224	4	238	225	617	11	655	600
1957	2	67.4	28	55	10	71	39	198	36	375	95	593	108	937	376
1957	3	51.8	31	43	6	55	32	143	20	350	103	464	65	821	380
1957	4	2160.0	30	33	195	68	20	91	533	222	39	335	1950	674	173
1957	5	10200.0	31	20	555	37	16	42	1150	142	36	216	5950	493	202
1957	6	15600.0	30	15	641	26	9	34	1450	62	20	186	7870	311	127
1957	7	1050.0	31	30	84	58	26	85	242	119	79	378	1070	443	366
1957	8	83.2	31	36	8	38	25	107	24	121	71	391	88	432	295
1957	9	160.0	30	37	16	39	23	123	53	130	72	428	185	447	298
	Data Avg.	2560.0	350	19	132	71	9	44	306	375	20	218	1510	937	127

STATION: BEAVER CREEK NEAR WAURIKA, OKLAHOMA

NUMBER: 700 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	155.0	31	24	10	127	24	16	7	64	16	178	75	577	177
1955	11	1.2	30	189	1	240	150	89		94	84	774	3	889	648
1955	12	4.8	31	292	4	301	261	51	1	60	50	883	12	909	872
1956	1	7.3	31	298	6	303	296	65	1	82	46	781	15	817	725
1956	2	11.2	29	304	9	322	294	153	5	195	75	943	29	1050	793
1956	3	6.1	31	325	5	335	313	92	2	100	86	871	14	927	825
1956	4	12.0	30	217	7	341	140	78	3	80	74	733	24	970	609
1956	5	45.6	31	61	7	141	50	57	7	412	27	349	43	1210	290
1956	6	43.2	30	40	5	59	29	26	3	60	26	230	27	409	213
1956	7	170.0	31	14	6	41	14	16	7	38	16	125	58	322	125
1956	8	0.0	31												
1956	9	0.0	30												
Data Avg.		38.4	366	49	5	341	14	28	3	412	16	241	25	1210	125
1956	10	45.3	31	25	3	29	24	8	1	11	9	147	18	160	146
1956	11	28.5	30	13	1	28	18	13	1	12	11	143	11	149	148
1956	12	1.8	31	82		90	57	37		425	29	206	1	1100	314
1957	1	0.9	31	71		71	71	411	1	205	205	822	2	684	684
1957	2	3.6	28	103	1	190	73	103	1	205	34	617	6	678	509
1957	3	13.3	31	167	6	214	92	28	1	31	22	501	18	586	345
1957	4	726.0	30	29	57	345	27	23	45	36	23	152	298	755	148
1957	5	2630.0	31	36	253	154	8	33	232	228	10	236	1680	819	142
1957	6	582.0	30	89	140	245	40	62	98	205	21	403	634	947	215
1957	7	43.3	31	171	20	277	40	154	18	269	37	735	86	1200	244
1957	8	8.6	31	215	5	226	193	86	2	98	63	731	17	757	664
1957	9	52.9	30	119	17	239	89	21	3	68	15	357	51	738	302
Data Avg.		347.0	362	45	42	345	8	36	34	425	9	252	237	1200	142

STATION: CACHE CREEK AT WALTERS, OKLAHOMA

NUMBER: 500 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1951	10	58.6	31	22	4	51	12	31	5	82	14	252	40	516	166
1951	11	38.9	30	28	3	51	12	41	4	79	14	319	34	502	181
1951	12	20.1	31	57	3	62	49	89	5	96	83	532	29	556	516
1952	1	20.1	31	67	4	77	57	117	6	130	104	583	32	630	546
1952	2	18.4	29	73	4	74	70	121	6	128	114	610	30	626	600
1952	3	22.8	31	91	6	108	78	115	7	125	102	604	37	642	553
1952	4	19.9	30	75	4	84	62	105	6	220	62	551	30	737	390
1952	5	800.0	31	17	37	106	8	12	26	92	5	133	288	514	75
1952	6	192.0	30	41	21	90	34	24	12	83	11	248	129	592	176
1952	7	62.2	31	39	7	62	35	25	4	101	9	266	45	601	197
1952	8	11.4	31	54	2	55	52	107	3	112	101	571	18	586	560
1952	9	7.8	30	51	1	53	48	114	2	115	112	554	12	565	548
	Data Avg.	107.0	366	27	8	108	8	25	7	220	5	209	60	737	75
1952	10	6.5	31	55	1	56	53	108	2	114	101	559	10	582	545
1952	11	11.2	30	51	2	54	43	95	3	114	62	515	16	581	401
1952	12	10.1	31	44	1	46	42	82	2	95	62	455	12	491	400
1953	1	8.0	31	46	1	47	45	90	2	92	88	492	11	502	483
1953	2	13.2	28	41	1	47	25	76	3	93	32	432	15	498	254
1953	3	203.0	31	49	27	93	25	64	35	540	14	363	199	1420	199
1953	4	70.5	30	30	6	46	25	24	5	63	14	244	46	414	201
1953	5	36.5	31	33	3	54	25	43	4	84	26	300	30	480	221
1953	6	308.0	30	19	16	56	14	15	12	102	11	203	169	516	147
1953	7	139.0	31	20	8	33	16	19	7	29	11	207	78	247	151
1953	8	28.8	31	39	3	40	21	71	6	80	21	380	30	441	220
1953	9	6.4	30	36	1	40	22	67	1	77	34	388	7	430	252
	Data Avg.	70.2	365	30	6	93	14	36	7	540	11	274	52	1420	147

STATION: CLEAR BOGGY CREEK NEAR CANEY, OKLAHOMA

NUMBER: 526 BASIN: RED TRIBUTARY TO: MUDDY BOGGY

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	105.0	31	19	5	41	15	94	27	620	35	301	86	1340	177
1955	11	10.1	31	27	1	34	22	756	21	800	720	2020	55	2750	1660
1955	12	11.0	31	21	1	22	20	652	19	680	620	1430	42	1500	1350
1956	1	10.7	31	25	1	26	23	581	17	590	570	1260	36	1330	1200
1956	2	186.0	29	21	11	40	17	69	35	500	29	255	128	1130	156
1956	3	22.7	31	40	2	42	37	259	16	415	135	735	45	1090	438
1956	4	33.8	30	39	4	40	35	162	15	495	30	558	51	1390	275
1956	5	169.0	31	15	7	23	11	77	35	295	29	277	126	829	136
1956	6	120.0	30	7	2	16	2	22	7	122	12	139	45	438	110
1956	7	0.1	31	14		14	14	136		136	136	441		441	441
	Data Avg.	66.0	306	18	3	42	2	107	19	800	12	343	61	2750	110
1956	10	0.0	31												
1956	11	7.4	30	50	1	69	19	100	2	110	84	300	6	372	255
1956	12	43.6	31	8	1	31	10	59	7	260	26	221	26	632	139
1957	1	12.1	31	61	2	63	32	153	5	360	72	550	18	952	334
1957	2	337.0	28	13	12	46	6	25	23	94	13	194	177	396	142
1957	3	564.0	31	20	30	45	14	35	54	88	14	214	326	425	166
1957	4	4390.0	30	13	156	39	10	58	688	71	6	221	2620	346	113
1957	5	3760.0	31	9	91	30	3	17	169	76	6	171	1740	415	110
1957	6	2610.0	30	9	62	35	3	24	169	172	9	184	1300	556	128
1957	7	86.3	31	26	6	37	6	270	63	495	14	695	162	1120	105
1957	8	32.5	31	11	1	20	12	205	18	230	185	603	53	674	538
1957	9	2480.0	30	9	58	31	7	14	94	187	9	127	854	552	109
	Data Avg.	1190.0	365	11	39	69	3	33	107	495	6	188	603	1120	105

STATION: DEEP RED RUN NEAR RANDLETT, OKLAHOMA

NUMBER: 501 BASIN: RED TRIBUTARY TO: CACHE CREEK

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	10.0	6	40	1	50	29	108	3	139	75	365	10	446	282
1949	11	2.4	29	153	1	199	63	462	3	665	187	1230	8	1680	571
1949	12	3.1	31	310	3	332	268	925	8	975	795	2350	20	2490	2080
1950	1	4.0	31	236	3	291	126	719	8	895	375	1850	20	2280	1130
1950	2	178.0	27	30	14	240	19	67	32	685	30	302	146	1800	219
1950	3	5.2	31	319	5	339	290	886	13	988	800	2190	31	2420	2010
1950	4	23.5	30	108	7	332	40	314	20	1050	120	835	53	2470	374
1950	5	1100.0	31	13	40	179	6	29	85	525	8	194	576	1360	150
1950	6	343.0	30	23	21	127	12	62	57	415	22	261	241	1090	173
1950	7	28.0	29	67	5	138	30	203	15	390	80	646	49	1130	308
1950	8	121.0	31	29	9	124	17	74	24	335	34	298	97	1040	204
1950	9	26.8	10	63	5	202	23	162	12	600	28	516	37	1570	155
	Data Avg.	175.0	316	22	10	339	6	54	26	1050	8	254	120	2490	150
1951	2	61.7	28	97	16	281	54	343	57	875	119	940	157	2290	403
1951	3	11.2	31	152	5	237	50	493	15	790	180	1370	42	2040	564
1951	4	11.5	30	92	3	264	29	301	9	955	82	829	26	2370	303
1951	5	1750.0	31	10	48	222	5	30	141	850	7	188	889	2070	134
1951	6	387.0	30	19	20	165	7	53	55	495	22	223	233	1560	113
1951	7	70.9	31	39	8	190	32	100	19	540	79	347	67	1400	294
1951	8	9.5	31	52	1	179	42	132	3	560	93	431	11	1400	336
1951	9	4.9	30	40	1	67	23	110	1	206	54	415	5	646	281
	Data Avg.	293.0	242	16	13	281	5	48	38	955	7	228	180	2370	113

STATION: EAST CACHE CREEK NEAR ELGIN, OKLAHOMA

NUMBER: 701 BASIN: RED TRIBUTARY TO: CACHE CREEK

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	452.0	31	16	20	74	12	10	12	152	3	152	186	556	112
1955	11	1.7	30	106		118	67	194	1	220	115	630	3	698	430
1955	12	4.2	31	158	2	158	158	240	3	240	240	958	11	959	959
1956	1	4.1	31	183	2	202	162	269	3	280	250	1030	12	1090	932
1956	2	5.3	29	228	3	242	222	272	4	290	230	1080	15	1140	899
1956	3	2.9	31	262	2	285	236	209	2	225	194	997	8	1070	936
1956	4	6.5	30	259	5	345	216	224	4	320	146	995	18	1210	841
1956	5	50.5	31	38	5	210	9	20	3	205	12	202	28	888	129
1956	6	8.8	30	33	1	44	28	26	1	62	13	217	5	316	178
1956	7	5.3	31	28		42	27	24		114	14	242	3	487	197
1956	8	0.0	31												
1956	9	0.0	30												
Data Avg.		45.8	366	28	3	345	9	22	3	320	3	196	24	1210	112
1956	10	9.2	5	34	1	34	34	3		3	3	127	3	127	127
1957	1	0.4	11	39		39	39	34		34	34	330		330	330
1957	3	4.4	20	84	1	184	71	336	4	1650	30	925	11	2940	397
Data Avg.		3.9	36	65	1	184	34	190	2	1650	3	670	7	2940	127

STATION: ELK CREEK NEAR HOBART, OKLAHOMA

NUMBER: 489 BASIN: RED TRIBUTARY TO: ELM FORK OF RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	22.3	21	135	8	511	91	30	2	122	21	384	23	1150	288
1949	11	5.0	30	392	5	464	324	105	1	111	102	1090	15	1210	978
1949	12	7.0	31	433	8	440	428	97	2	104	89	1120	21	1190	1080
1950	1	6.4	31	444	8	474	412	97	2	101	93	1140	20	1180	1120
1950	2	7.4	28	448	9	492	423	102	2	108	98	1160	23	1210	1120
1950	3	7.5	31	482	10	520	442	98	2	108	89	1200	24	1260	1130
1950	4	14.0	30	270	10	579	69	56	2	123	12	705	27	1360	257
1950	5	155.0	31	48	20	405	5	16	7	104	8	282	118	1050	210
1950	6	18.0	30	190	9	513	91	36	2	111	15	505	25	1130	284
1950	7	449.0	31	52	63	481	28	9	11	80	6	220	267	1070	173
1950	8	136.0	31	182	67	528	88	37	13	108	14	524	192	1260	304
1950	9	17.2	30	493	23	583	204	93	4	118	38	1150	54	1340	583
	Data Avg.	72.9	355	104	21	583	5	22	4	123	6	352	69	1360	173
1950	10	8.2	31	640	14	667	619	120	3	125	114	1580	35	1630	1540
1950	11	7.9	30	663	14	702	626	122	3	129	118	1630	35	1660	1590
1950	12	8.8	31	617	15	626	613	113	3	118	108	1500	36	1570	1460
1951	1	9.0	31	613	15	626	602	111	3	118	108	1490	36	1500	1460
1951	2	9.8	28	602	16	658	575	108	3	122	98	1450	38	1600	1370
1951	3	10.5	31	600	17	631	400	99	3	108	90	1440	41	1540	1020
1951	4	7.5	30	643	13	660	630	118	2	122	114	1620	33	1700	1530
1951	5	712.0	31	116	224	1470	43	24	47	270	10	263	506	1710	193
1951	6	458.0	30	213	264	551	47	41	50	109	12	618	764	1390	211
1951	7	34.6	31	292	27	662	84	62	6	133	21	773	72	1590	282
1951	8	5.7	31	641	10	722	572	149	2	173	130	1540	24	1680	1410
1951	9	22.4	30	128	8	719	86	29	2	186	15	395	24	1700	296
	Data Avg.	109.0	365	181	53	1470	43	36	10	270	10	467	137	1710	193

STATION: KIAMICHI RIVER NEAR BELZONI, OKLAHOMA

NUMBER: 528 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	58.7	31	5	1	5	5	5	1	5	5	54	9	67	49
1947	11	231.0	30	6	4	8	5	6	4	6	5	54	40	68	50
1947	12	2220.0	31	6	35	6	6	7	43	8	5	59	355	64	52
1948	1	1990.0	31	5	29	7	5	4	22	6	4	60	323	63	51
1948	2	3640.0	29	6	62	7	6	5	46	6	4	65	641	73	53
1948	3	2780.0	31	6	45	7	6	6	47	7	5	54	409	59	53
1948	4	697.0	30	5	9	6	4	4	8	5	4	55	104	61	44
1948	5	4320.0	31	7	83	13	4	6	72	41	3	65	755	98	57
1948	6	233.0	30	7	4	12	4	8	5	29	5	68	43	78	62
1948	7	281.0	31	4	3	5	4	5	4	6	5	68	52	69	62
1948	8	66.0	31	4	1	5	3	6	1	6	6	58	10	78	47
1948	9	5.9	30	4		4	4	6		6	5	49	1	51	48
	Data Avg.	1380.0	366	6	23	13	3	6	21	41	3	61	228	98	44
1948	10	6.7	31	5		5	4	6		7	6	53	1	54	51
1948	11	53.1	30	7	1	8	6	6	1	7	5	46	7	51	44
1948	12	250.0	31	11	7	13	6	6	4	8	6	84	56	92	59
1949	1	9710.0	31	5	134	6	5	4	108	7	4	56	1460	69	55
1949	2	5560.0	28	6	94	7	6	5	68	5	4	62	927	64	60
1949	3	3170.0	31	5	46	6	5	4	35	6	4	61	522	62	56
1949	4	2080.0	30	6	32	6	5	5	26	5	4	60	339	67	56
1949	5	4200.0	31	4	47	5	4	3	35	9	3	57	645	64	56
1949	6	2380.0	30	3	22	5	3	4	24	6	4	64	412	68	60
1949	7	135.0	31	5	2	8	4	5	2	6	4	63	23	64	62
1949	8	86.5	31	4	1	4	3	5	1	6	3	68	16	80	66
1949	9	440.0	30	7	8	8	4	3	3	4	3	77	91	82	62
	Data Avg.	2330.0	365	5	33	13	3	4	25	9	3	59	372	92	44
1949	10	982.0	31	4	11	6	4	5	13	5	4	71	190	84	71
1949	11	178.0	30	5	3	6	5	5	3	7	5	67	32	70	62
1949	12	848.0	31	5	12	9	5	5	11	7	5	76	173	79	57
1950	1	6730.0	31	5	92	6	5	3	59	4	3	66	1210	70	64
1950	2	6620.0	28	5	95	7	5	4	74	5	4	63	1140	67	62
1950	3	569.0	31	6	10	7	5	5	7	5	4	54	84	59	48
1950	4	504.0	30	7	9	7	6	7	9	7	6	62	85	64	57
1950	5	6580.0	31	5	98	6	5	4	68	4	4	66	1170	71	62
1950	6	541.0	30	5	7	5	4	4	6	4	4	67	97	72	59
1950	7	6950.0	31	3	61	4	3	3	56	4	3	66	1240	75	60
1950	8	3210.0	31	3	26	4	3	3	28	5	3	64	553	70	62
1950	9	5800.0	30	4	66	6	3	4	59	4	4	68	1060	77	66
	Data Avg.	3280.0	365	5	40	9	3	4	33	7	3	66	584	84	48

STATION: KIAMICHI RIVER NEAR BELZONI, OKLAHOMA

NUMBER: 528 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1950	10	188.0	31	6	3	6	6	6	3	6	6	64	32	64	64
1950	11	81.3	30	6	1	6	6	9	2	9	9	67	15	67	67
1950	12	61.9	31	6	1	6	6	12	2	12	12	73	12	73	73
1951	1	597.0	31	8	13	8	8	8	13	8	8	90	145	90	90
1951	2	6720.0	28	8	140	8	8	6	109	6	6	81	1470	81	81
1951	3	1770.0	31	6	30	6	6	5	25	5	5	72	344	72	72
1951	4	2110.0	30	7	41	7	7	7	39	7	7	65	371	65	65
1951	5	949.0	31	6	15	6	6	7	18	7	7	67	172	67	67
1951	6	6680.0	30	4	78	4	4	5	87	5	5	64	1150	64	64
1951	7	2280.0	31	4	25	4	4	4	25	4	4	64	393	64	64
1951	8	96.7	31	6	1	6	6	3	1	3	3	59	15	59	59
1951	9	147.0	30	6	2	6	6	5	2	5	5	61	24	61	61
	Data Avg.	1760.0	365	6	28	8	4	6	26	12	3	71	336	90	59
1951	10	506.0	31	7	9	7	7	5	7	5	5	69	94	69	69
1951	11	2530.0	30	7	47	7	7	6	42	6	6	62	424	62	62
1951	12	841.0	31	8	18	8	8	6	14	6	6	59	134	59	59
1952	1	561.0	31	8	12	8	8	7	10	7	7	60	91	60	60
1952	2	782.0	29	10	21	10	10	9	20	10	10	73	154	73	73
1952	3	2750.0	31	8	58	8	8	6	45	6	6	66	490	66	66
1952	4	7720.0	30	6	136	7	7	5	115	6	6	66	1380	66	66
1952	5	718.0	31	7	15	8	8	6	12	6	6	65	126	65	65
1952	6	266.0	30	6	4	6	6	5	4	5	5	82	59	82	82
1952	7	17.7	31	6		6	6	7		7	7	68	3	68	68
1952	8	2.9	31	6		6	6	7		7	7	62		62	62
1952	9	78.3	8	5	1	5	5	8	2	8	8	65	14	65	65
	Data Avg.	1470.0	344	7	28	10	5	6	24	10	5	65	260	82	59
1952	10	5.5	31	4		4	4	8		8	8	52	1	52	52
1952	11	389.0	30	5	5	13	5	4	4	15	4	26	28	106	25
1952	12	563.0	31	8	12	9	8	5	8	6	4	32	49	36	30
1953	1	354.0	31	7	7	7	7	7	7	7	7	56	54	56	56
1953	2	1280.0	28	7	26	7	7	5	19	6	6	58	201	58	58
1953	3	3740.0	31	7	69	7	7	6	61	6	6	55	555	55	55
1953	4	8590.0	30	6	137	6	6	4	93	4	4	50	1160	50	50
1953	5	4610.0	31	5	60	5	5	4	50	4	4	48	597	48	48
1953	6	712.0	30	5	9	5	5	5	10	5	5	55	106	55	55
1953	7	3900.0	31	4	41	4	4	5	51	5	5	56	590	56	56
1953	8	162.0	31	4	2	4	4	5	2	5	5	56	24	56	56
1953	9	35.4	30	4		4	4	5		5	5	57	5	57	57
	Data Avg.	2030.0	365	6	31	13	4	5	25	15	4	51	281	106	25

STATION: KIAMICHI RIVER NEAR BELZONI, OKLAHOMA

NUMBER: 528 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	10.7	31	5		4	4	6		6	6	53	2	53	53
1953	11	32.7	30	5		8	5	13	1	36	7	70	6	145	49
1953	12	330.0	31	6	5	8	6	7	7	36	7	73	66	144	72
1954	1	3470.0	31	6	53	6	6	5	49	5	5	70	655	70	70
1954	2	703.0	28	8	14	8	8	6	11	6	6	62	118	62	62
1954	3	176.0	31	14	7	14	14	12	6	12	12	62	29	62	62
1954	4	1290.0	30	10	35	10	10	10	34	10	10	68	237	68	68
1954	5	3750.0	31	6	59	6	6	5	54	5	5	66	669	66	66
1954	6	124.0	30	6	2	6	6	9	3	10	10	55	18	55	55
1954	7	3.5	31	7		7	7	14		14	14	66	1	66	66
1954	8	0.1	31	6		6	6	12		12	12	65		65	65
1954	9	2.4	30	4		4	4	12		13	13	67		67	67
	Data Avg.	831.0	365	7	15	14	4	6	14	36	5	67	151	145	49

STATION: LITTLE BEAVER CREEK NEAR DUNCAN, OKLAHOMA

NUMBER: 504 BASIN: RED TRIBUTARY TO: BEAVER CREEK

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1948	12	3.1	22	246	2	301	233	48		197	40	627	5	982	596
1949	1	24.1	22	275	18	396	250	49	3	73	45	623	41	983	542
1949	2	119.0	20	106	34	319	74	39	12	189	12	306	98	999	214
1949	3	15.9	27	324	10	346	280	174	7	278	60	1010	30	1100	912
1949	4	11.5	28	307	10	313	305	293	9	315	255	1090	34	1110	1040
1949	5	83.4	24	156	35	339	93	95	21	280	31	533	120	1130	312
1949	6	12.9	25	238	8	309	181	302	11	2280	124	1010	35	4020	642
1949	7	1.1	14	131		134	134	56		54	54	425	1	425	425
1949	8	0.5	2	200		225	225			33	33	500	1	493	493
1949	9	2.0	2	75		86	86	50		48	48	300	2	310	310
	Data Avg.	32.6	186	165	15	396	74	96	8	2280	12	520	46	4020	214
1950	10	12.4	29	270	9	277	261	315	11	360	232	1280	43	1380	1120
1950	11	10.2	30	283	8	286	277	239	7	260	215	1160	32	1200	1120
1950	12	11.7	31	282	9	295	274	225	7	268	198	1120	35	1260	1040
1951	1	13.5	26	299	11	309	286	176	6	182	175	1040	38	1090	1020
1951	2	44.9	18	214	26	323	157	133	16	440	78	760	92	1470	527
1951	3	17.9	29	306	15	320	250	219	11	265	156	1150	55	1190	833
1951	4	25.3	28	270	18	304	194	215	15	290	55	1040	71	1350	570
1951	5	133.0	21	167	60	251	90	138	50	398	36	733	263	1560	364
1951	6	372.0	27	68	69	191	23	86	87	378	15	440	442	1370	201
1951	7	93.4	27	61	15	309	30	90	23	458	20	411	104	1500	194
1951	8	4.3	28	203	2	230	111	471	5	1240	191	1420	17	2850	863
1951	9	0.3	12	150		170	101	75		195	42	574	1	844	486
	Data Avg.	61.7	306	119	20	323	23	119	20	1240	15	593	99	2850	194

STATION: LITTLE RIVER NEAR HORATIO, ARKANSAS

NUMBER: 535 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1953	10	31.0	31	5		6	5	82	7	98	71	201	17	227	187
1953	11	55.1	30	6	1	7	6	95	14	106	86	235	35	250	212
1953	12	892.0	31	4	9	10	2	20	47	101	6	87	210	252	60
1954	1	5730.0	31	2	34	4	2	4	55	16	3	49	757	77	47
1954	2	3350.0	28	4	33	4	4	5	42	9	4	51	459	53	49
1954	3	678.0	31	5	10	7	4	12	22	15	9	72	131	78	66
1954	4	3440.0	30	5	42	7	4	9	87	27	5	62	573	109	41
1954	5	7410.0	31	3	59	3	2	4	89	9	4	51	1030	56	44
1954	6	1110.0	30	2	7	5	2	8	23	30	4	60	180	106	53
1954	7	43.2	31	5	1	5	5	48	6	73	40	138	16	186	121
1954	8	11.9	31	6		7	6	90	3	104	79	218	7	234	202
	9	5.4	30	7		7	7	136	2	147	123	285	4	308	258
	Data Avg.	1890.0	365	3	16	10	2	6	33	147	3	55	284	308	41
1954	10	8620.0	31	4	97	7	2	4	91	8	3	46	1080	63	42
1954	11	1770.0	30	4	17	5	1	6	30	14	5	52	249	63	51
1954	12	2280.0	31	4	24	5	3	7	44	18	6	49	303	72	45
1955	1	3150.0	31	5	41	6	3	5	47	7	5	55	467	61	50
1955	2	4920.0	28	3	38	5	2	5	60	9	3	48	644	56	44
1955	3	7470.0	31	3	69	5	2	4	73	7	3	50	1000	63	47
1955	4	4730.0	30	2	30	3	2	4	53	5	4	56	715	60	50
1955	5	3500.0	31	5	49	6	5	5	44	8	3	56	530	64	54
1955	6	692.0	30	1	3	3	1	11	20	25	8	58	109	87	52
1955	7	268.0	31	3	2	5	2	25	18	46	17	89	64	135	70
1955	8	171.0	31	2	1	3	2	32	15	48	27	103	48	129	94
	9	1850.0	30	2	11	4	1	7	33	57	3	61	304	158	54
	Data Avg.	3280.0	365	4	32	7	1	5	44	57	3	52	459	158	42
1955	10	1490.0	31	2	10	4	1	5	20	19	3	54	217	74	51
1955	11	118.0	30	3	1	4	3	33	10	36	27	104	33	108	98
1955	12	249.0	31	7	5	7	6	26	17	28	24	98	66	104	93
1956	1	391.0	31	6	6	7	5	24	25	34	6	86	91	107	55
1956	2	9730.0	29	5	124	5	4	5	136	6	4	52	1370	55	48
1956	3	2160.0	30	4	22	5	2	7	43	12	4	54	315	59	49
1956	4	1080.0	30	2	6	2	2	11	32	15	8	61	179	63	57
1956	5	3930.0	31	3	37	4	3	5	48	12	4	48	514	66	46
1956	6	279.0	30	3	2	3	2	17	12	28	13	62	47	88	52
1956	7	35.0	31	4		5	2	47	4	56	40	131	12	148	118
1956	8	11.2	31	4		7	2	84	3	95	74	198	6	212	186
1956	9	6.9	30	5		8	4	113	2	152	98	237	4	323	215
	Data Avg.	1590.0	365	4	17	8	1	7	29	152	3	54	234	323	46

STATION: LITTLE RIVER NEAR HORATIO, ARKANSAS

NUMBER: 535 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1956	10	3.1	31			6	6	119	1	180	105	330	3	399	380
1956	11	508.0	30	8	11	15	5	42	58	178	14	129	177	392	68
1956	12	1370.0	31	5	18	5	5	6	23	12	6	46	169	64	43
1957	1	4020.0	31	4	43	4	4	4	45	7	4	49	528	52	45
1957	2	6020.0	28	3	42	5	2	3	54	7	3	41	673	44	41
1957	3	8200.0	31	4	91	5	4	3	75	5	3	43	958	44	40
1957	4	23000.0	30	3	200	5	3	2	132	4	2	42	2590	46	41
1957	5	19700.0	31	3	162	3	3	3	183	4	3	53	2810	54	52
1957	6	6900.0	30	3	50	3	3	4	75	13	3	55	1030	126	51
1957	7	262.0	31	6	4	6	4	17	12	31	2	96	68	116	86
1957	8	179.0	31	6	3	7	5	43	21	52	31	135	65	172	104
1957	9	3000.0	30	5	42	6	5	6	45	39	5	51	414	122	49
	Data Avg.	6070.0	365	3	55	15	2	4	60	180	2	48	788	399	40

STATION: LITTLE RIVER NEAR IDABEL, OKLAHOMA

NUMBER: 531 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	119.0	21	4	1	6	4	20	6	54	14	67	21	129	57
1947	11	453.0	30	4	5	5	4	10	12	25	7	51	63	78	44
1947	12	2450.0	31	5	35	6	4	6	38	9	5	47	312	62	45
1948	1	3030.0	31	4	34	5	4	4	34	11	3	44	375	59	44
1948	2	3470.0	29	4	42	5	4	7	62	40	3	50	470	69	48
1948	3	3370.0	31	4	36	6	4	4	34	7	3	46	418	55	45
1948	4	1150.0	30	5	15	10	4	7	21	12	5	50	154	64	44
1948	5	4340.0	31	27	318	33	3	17	197	33	6	82	963	102	56
1948	6	179.0	30	6	3	10	4	20	9	39	10	80	39	119	63
1948	7	85.3	31	5	1	5	4	34	8	38	31	107	25	115	102
1948	8	56.4	31	5	1	7	5	31	5	50	25	103	16	142	93
1948	9	12.8	30	7		8	5	101	3	127	81	226	8	275	186
	Data Avg.	1560.0	366	10	41	33	3	9	36	127	3	57	239	275	44
1948	10	27.5	31	8	1	10	7	111	8	177	53	251	19	369	147
1948	11	31.8	30	26	2	54	10	75	6	90	62	216	19	246	190
1948	12	163.0	31	6	2	8	4	30	13	66	12	105	46	169	59
1949	1	8460.0	31	4	96	5	4	35	792	35	11	49	1120	67	49
1949	2	4190.0	28	5	51	5	4	4	45	5	4	51	580	55	48
1949	3	5010.0	31	4	56	5	3	5	66	6	4	54	725	54	50
1949	4	1890.0	30	3	17	4	3	6	31	10	6	55	281	59	54
1949	5	3610.0	31	3	32	4	3	5	52	12	5	53	516	62	52
1949	6	2160.0	30	3	17	3	3	5	32	10	5	56	329	63	55
1949	7	427.0	31	3	4	4	3	9	11	22	6	63	73	89	59
1949	8	327.0	31	4	4	5	4	24	22	28	3	100	88	108	83
1949	9	308.0	30	3	3	6	3	11	9	50	5	64	53	140	54
	Data Avg.	2210.0	365	4	24	54	3	15	92	177	3	54	321	369	48
1949	10	1280.0	31	3	11	4	3	5	18	18	4	62	214	85	60
1949	11	312.0	30	5	4	10	4	11	9	17	8	69	58	78	66
1949	12	1700.0	31	4	19	4	4	5	21	21	4	65	299	82	63
1950	1	8210.0	31	3	69	3	3	2	52	4	2	55	1220	58	52
1950	2	9320.0	28	4	99	7	3	3	73	5	3	50	1270	54	49
1950	3	1030.0	31	4	11	5	4	7	20	8	6	58	163	62	57
1950	4	873.0	30	4	10	5	4	8	19	16	3	62	145	74	50
1950	5	6330.0	31	4	64	4	3	3	49	7	3	50	864	62	50
1950	6	230.0	30	4	3	5	4	15	9	28	11	76	47	104	69
1950	7	1040.0	31	3	7	5	1	6	16	41	3	57	161	125	40
1950	8	3680.0	31	2	24	3	2	4	41	7	4	57	568	62	56
1950	9	6340.0	30	4	77	5	3	6	110	11	5	62	1060	70	61
	Data Avg.	3330.0	365	4	33	10	1	4	36	41	2	56	501	125	40

STATION: LITTLE RIVER NEAR IDABEL, OKLAHOMA

NUMBER: 531 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1950	10	364.0	31	4	4	4	4	14	14	14	14	77	76	77	77
1950	11	213.0	30	5	3	5	5	20	12	20	20	85	49	85	85
1950	12	132.0	31	5	2	5	5	24	9	24	24	92	33	92	92
1951	1	866.0	31	6	13	6	6	12	28	12	12	77	180	77	77
1951	2	5740.0	28	6	90	6	6	6	96	6	6	67	1040	67	67
1951	3	1240.0	31	4	12	4	4	6	22	7	7	60	201	60	60
1951	4	1540.0	30	5	20	5	5	10	41	10	10	66	274	66	66
1951	5	1080.0	31	4	13	5	5	7	20	7	7	73	213	73	73
1951	6	5710.0	30	3	46	3	3	9	142	9	9	61	941	61	61
1951	7	3850.0	31	3	35	3	3	12	125	12	12	71	739	71	71
1951	8	88.3	31	7	2	7	7	35	8	35	35	113	27	113	113
1951	9	105.0	30	6	2	7	5	45	13	77	26	133	38	198	104
	Data Avg.	1710.0	365	4	20	7	3	9	44	77	6	67	311	198	60
1951	10	241.0	31	6	4	7	5	20	13	41	6	84	55	127	56
1951	11	2230.0	30	6	36	13	5	4	26	12	3	54	325	100	46
1951	12	1340.0	31	6	21	6	6	6	22	6	6	54	195	54	54
1952	1	1250.0	31	4	15	4	4	8	28	8	8	56	189	56	56
1952	2	1150.0	29	5	16	5	5	8	25	8	8	65	203	65	65
1952	3	2710.0	31	5	36	5	5	6	48	7	7	57	417	57	57
1952	4	8700.0	30	5	115	5	5	4	106	5	5	59	1390	59	59
1952	5	1020.0	31	4	12	5	4	7	18	16	5	57	157	74	55
1952	6	294.0	30	5	4	6	5	11	9	32	9	66	53	108	62
1952	7	45.9	31	7	1	8	5	57	7	68	41	159	20	181	129
1952	8	23.0	31	7		8	6	83	5	115	59	202	13	260	161
1952	9	13.7	30	8		8	8	137	5	137	137	297	11	297	297
	Data Avg.	1570.0	366	5	22	13	4	6	26	137	3	59	250	297	46
1952	10	7.7	31	12		12	12	212	4	212	212	431	9	432	432
1952	11	552.0	30	6	9	13	5	17	26	208	5	82	122	444	52
1952	12	816.0	31	5	11	5	5	10	22	10	10	56	123	56	56
1953	1	869.0	31	5	11	5	5	8	18	8	8	49	115	49	49
1953	2	1300.0	28	4	16	5	5	5	18	5	5	49	172	49	49
1953	3	3760.0	31	5	49	5	5	4	46	5	5	46	467	46	46
1953	4	6260.0	30	3	54	3	3	4	68	4	4	45	761	45	45
1953	5	6500.0	31	3	54	3	3	4	79	5	5	49	860	49	49
1953	6	111.0	30	6	2	7	5	28	9	43	26	92	28	129	81
1953	7	3470.0	31	4	39	9	4	5	49	96	4	52	484	237	49
1953	8	177.0	31	6	3	7	5	19	9	26	14	76	36	92	67
1953	9	53.7	30	5	1	6	5	36	5	62	30	108	16	155	96
	Data Avg.	2000.0	365	4	21	13	3	5	29	212	4	49	267	444	45

STATION: LITTLE RIVER NEAR IDABEL, OKLAHOMA

NUMBER: 531 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1953	10	16.1	31	8		9	7	104	5	128	77	234	10	277	186
1953	11	27.7	30	9	1	10	9	99	7	125	85	228	17	275	202
1953	12	437.0	31	4	5	9	4	10	12	76	10	57	68	185	56
1954	1	2800.0	31	5	35	5	5	4	34	18	4	54	406	76	53
1954	2	1180.0	28	67	214	67	67	50	160	50	50	48	153	48	48
1954	3	225.0	31	4	2	4	4	16	10	16	16	68	41	68	68
1954	4	1300.0	30	4	13	4	2	6	23	16	6	60	209	75	59
1954	5	3780.0	31	5	47	5	5	5	55	5	5	48	490	48	48
1954	6	679.0	30	3	5	4	3	14	25	30	13	65	119	94	64
1954	7	19.1	31	7		8	6	56	3	82	45	190	10	252	163
1954	8	6.1	31	9		9	9	181	3	181	181	371	6	371	371
1954	9	7.2	30	12		12	12	302	6	302	302	601	12	602	602
	Data Avg.	875.0	365	11	26	67	2	12	28	302	4	54	129	602	48

STATION: LITTLE WASHITA RIVER NEAR NINNEKAH, OKLAHOMA

NUMBER: 725 BASIN: RED TRIBUTARY TO: WASHITA

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	9.7	31	827	22	976	757	326	9	380	220	2000	52	2130	1920
1951	11	21.3	30	691	40	725	625	285	16	332	210	1770	102	1880	1470
1951	12	23.5	31	715	45	725	707	279	18	290	268	1760	112	1800	1740
1952	1	28.4	31	696	53	721	663	232	18	242	220	1660	128	1700	1620
1952	2	31.0	29	703	59	717	698	213	18	225	200	1650	138	1690	1620
1952	3	38.6	31	718	75	724	711	182	19	188	175	1610	168	1650	1590
1952	4	46.6	30	601	76	765	402	140	18	215	54	1340	169	1750	837
1952	5	177.0	31	382	182	800	130	56	27	238	14	828	395	1880	326
1952	6	115.0	30	402	124	953	173	61	19	350	12	857	266	2290	398
1952	7	28.9	31	513	40	947	212	117	9	300	32	1140	89	2200	535
1952	8	3.3	31	954	8	1100	905	125	1	137	107	1830	16	2010	1780
1952	9	.2	30	1560	1	1590	1370	80		92	42	2700	1	2810	2360
	Data Avg.	43.6	366	513	60	1590	130	121	14	380	12	1160	136	2810	326

STATION: LITTLE WICHITA RIVER NEAR ARCHER CITY, TEX.

NUMBER: 506 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	12	0.1	1					150		150	150				
1953	1	0.0	31												
1953	2	0.0	28												
1953	3	13.7	31	6		10	6	108	4	312	83	270	10	647	242
1953	4	3.1	30	7		12	7	239	2	345	134	597	5	730	343
1953	5	6.1	31	6		7	6	182	3	345	134	364	6	730	343
1953	6	0.0	30												
1953	7	17.3	31	6		12	5	86	4	578	68	299	14	1080	247
1953	8	11.7	31	9		14	7	158	5	675	65	379	12	1220	230
1953	9	1.8	30	8		8	8	206	1	174	174	411	2	418	418
	Data Avg.	6.1	274			14	5	121	2	675	65	364	6	1220	230
1953	10	314.0	31	4	3	8	3	32	27	181	25	149	126	403	137
1953	11	6.7	30	5		17	4	110	2	258	37	276	5	580	168
1953	12	0.4	31	7		7	7	100		100	100	316		316	316
1954	1	0.0	31												
1954	2	0.0	28												
1954	3	0.0	31	22		22	22	438		438	438	1000		1000	1000
1954	4	74.5	30	5	1	22	5	84	17	438	46	248	50	1000	178
1954	5	249.0	31	4	3	6	4	55	37	147	36	203	137	376	165
1954	6	65.4	30	6	1	9	5	102	18	332	68	283	50	731	222
1954	7	0.6	31	5		5	5	69		198	20	238		491	151
1954	8	0.9	31	7		7	7	411	1	460	20	411	1	970	151
1954	9	0.0	30												
	Data Avg.	60.0	365	6	1	22	3	56	9	460	20	191	31	1000	137
1954	10	6.8	31	5		5	5	24		24	24	218	4	211	211
1954	11	1.4	30	6		23	5	264	1	1110	46	529	2	1890	168
1954	12	4.9	31	4		12	2	151	2	215	132	302	4	472	314
1955	1	7.1	31	8		14	7	156	3	620	87	365	7	1110	240
1955	2	17.0	28	7		7	6	174	8	278	91	392	18	614	257
1955	3	9.9	31	9		9	8	149	4	300	117	411	11	642	330
1955	4	35.5	19	10	1	22	8	229	22	720	90	511	49	1280	260
1955	5	83.4	31	4	1	10	5	111	25	320	78	311	70	664	244
1955	6	110.0	30	7	2	7	5	64	19	147	37	208	62	364	182
1955	7	2.5	31	11		12	6	444	3	518	138	1040	7	992	344
1955	8	0.3	31	10		10	10	33		33	33	237		237	237
1955	9	512.0	30	5	7	8	3	20	28	129	20	141	195	336	95
	Data Avg.	66.1	354	6	1	23	2	50	9	1110	20	196	35	1890	95

STATION: LITTLE WICHITA RIVER NEAR ARCHER CITY, TEX.

NUMBER: 506 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	319.0	31	7	6	7	7	24	21	25	19	168	145	170	168
1955	11	0.0	30												
1955	12	0.0	31												
1956	1	8.0	6	46	1	32	32	139	3	130	130	509	11	489	489
Data Avg.		102.0	98	7	2	32	7	26	7	130	19	171	47	489	168

STATION: LITTLE WICHITA NEAR HENRIETTA, TEXAS

NUMBER: 704 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1952	12	0.0	1												
1953	1	0.0	31												
1953	2	0.0	28												
1953	3	36.8	30	10	1	15	5	201	20	988	22	422	42	1700	111
1953	4	0.0	30												
1953	5	15.6	31	7		8	5	142	6	260	36	332	14	526	138
1953	6	0.0	30												
1953	7	42.6	31	9	1	6	5	52	6	103	16	182	21	296	115
1953	8	16.5	31	7		8	6	90	4	215	43	202	9	265	181
1953	9	0.3	30	8		8	8	56		56	56	230		230	230
	Data Avg.	12.6	273	9		15	5	117	4	988	16	294	10	1700	111
1953	10	1050.0	31	3	8	14	3	21	61	728	12	97	275	1310	66
1953	11	57.6	30	6	1	6	4	64	10	695	27	186	29	484	151
1953	12	5.4	31	6		7	5	69	1	103	26	274	4	305	176
1954	1	0.0	31												
1954	2	0.0	28												
1954	3	0.0	31												
1954	4	119.0	30	6	2	6	4	75	24	101	50	228	73	276	189
1954	5	905.0	31	4	10	10	3	40	99	320	22	159	389	754	104
1954	6	272.0	30	5	4	12	4	83	61	502	23	250	184	927	142
1954	7	4.9	31	4		4	4	76	1	128	18	227	3	368	202
1954	8	0.0	31												
1954	9	0.0	30												
	Data Avg.	204.0	365	4	2	14	3	40	22	728	12	145	80	1310	66
1954	10	0.7	31					185		185	185	529	1	380	380
1954	11	0.0	30												
1954	12	4.8	31	12		12	12	385	5	420	402	771	10	870	750
1955	1	6.5	31	10		16	9	398	7	682	250	797	14	1230	549
1955	2	28.6	28	13	1	17	6	78	6	145	5	401	31	976	176
1955	3	15.3	31	4		8	1	73	3	224	18	97	4	316	94
1955	4	40.4	28	9	1	7	5	128	14	192	14	293	32	426	232
1955	5	283.0	31	5	4	12	2	89	68	448	10	224	171	818	57
1955	6	336.0	30	4	4	9	4	57	52	195	38	179	162	414	146
1955	7	13.9	31	6		17	4	186	7	860	16	426	16	1500	136
1955	8	0.0	31	7		7	7	195		195	195	432		432	432
1955	9	656.0	30	3	6	18	3	21	38	980	12	102	181	1670	72
	Data Avg.	115.0	363	3	1	18	1	55	17	980	5	167	52	1670	57

STATION: MOUNTAIN FORK NEAR EAGLE TOWN, OKLAHOMA

NUMBER: 533 BASIN: RED TRIBUTARY TO: LITTLE RIVER

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	351.0	31	4	4	5	3	4	4	6	4	40	38	44	38
1947	11	1320.0	30	4	14	4	4	3	12	4	3	41	145	43	38
1947	12	3130.0	31	4	37	5	3	4	37	5	4	38	319	39	36
1948	1	2790.0	31	3	22	3	3	3	21	4	3	38	284	39	34
1948	2	3230.0	29	3	30	4	3	3	23	3	3	37	319	39	36
1948	3	2370.0	31	7	44	8	3	3	21	4	3	49	311	55	33
1948	4	985.0	30	3	8	8	2	4	10	7	4	36	96	39	31
1948	5	2240.0	31	7	40	7	4	3	19	5	3	40	241	42	38
1948	6	72.5	30	3	1	3	3	4	1	5	2	41	8	42	41
1948	7	96.7	31	3	1	4	2	4	1	6	4	44	12	48	42
1948	8	110.0	31	3	1	4	2	4	1	5	3	38	11	44	35
1948	9	13.5	30	3		4	3	4		7	3	39	1	41	37
	Data Avg.	1390.0	366	4	17	8	2	3	13	7	2	40	149	55	31

STATION: MUDDY BOGGY NEAR FARRIS, OKLAHOMA

NUMBER: 524 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	2.5	31	14		15	11	14		16	12	121	1	123	114
1947	11	34.6	30	18	2	21	12	14	1	17	14	125	12	130	116
1947	12	394.0	31	18	19	24	17	9	10	17	9	131	140	143	69
1948	1	633.0	31	12	21	18	12	10	17	12	10	54	92	104	53
1948	2	1690.0	29	16	72	22	15	8	37	15	7	62	284	108	46
1948	3	1180.0	31	15	46	21	12	9	28	25	6	67	213	159	45
1948	4	39.8	30	25	3	28	24	28	3	35	24	159	17	173	155
1948	5	1570.0	31	17	72	28	11	10	40	31	3	70	295	175	36
1948	6	1320.0	30	9	31	17	8	13	47	23	10	58	207	144	52
1948	7	824.0	31	10	21	15	9	10	22	30	9	56	124	144	49
1948	8	9.6	31	23	1	26	22	34	1	53	26	212	5	242	193
1948	9	11.4	30	24	1	28	17	57	2	58	52	266	8	297	196
	Data Avg.	640.0	366	14	24	28	8	10	17	58	3	67	116	297	36

STATION: MULBERRY CREEK AT BRICE, TEXAS

NUMBER: 479 BASIN: RED TRIBUTARY TO: PRAIRIE DOG TOWN FORK OF RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1950	6	32.8	8	647	57	1730	537	52	5	270	32	1120	99	2920	940
1950	7	278.0	31	720	541	1200	334	111	83	212	49	1290	972	2090	693
1950	8	53.9	31	679	99	1530	584	119	17	217	98	1250	182	2580	1080
1950	9	163.0	30	648	285	1230	330	105	46	218	56	1190	525	2140	713
Data Avg.		154.0	100	691	288	1730	330	109	45	270	32	1260	523	2920	693
1950	10	1.7	3	1480	7	1480	1480	220	1	220	220	2500	11	2490	2490
1951	2	10.0	1	1470	40	1470	1470	280	8	280	280	2590	70	2590	2590
1951	3	7.5	4	1470	30	1680	1470	280	6	280	255	2590	52	2870	2590
1951	5	279.0	15	557	420	856	466	109	83	186	86	1100	833	1620	947
1951	6	114.0	20	341	105	1770	235	73	23	186	49	735	227	2790	554
1951	7	71.0	4	662	127	821	655	118	23	168	116	1240	238	1520	1230
Data Avg.		143.0	47	494	191	1770	235	99	38	280	49	994	384	2870	554

STATION: PRAIRIE DOG TOWN FORK OF RED RIVER NEAR BRICE, TEXAS

NUMBER: 478 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1949	10	75.6	5	1070	219	1100	1060	1260	257	1850	280	3690	753	4650	2090
1950	4	5.0	1	1720	23	1710	1710	2500	34	2490	2490	6550	89	6560	6560
1950	5	145.0	6	1450	569	1750	1440	2500	978	4740	2390	6250	2450	10300	6060
1950	6	144.0	16	1190	460	1750	877	1360	528	4390	370	4000	1550	9720	2490
1950	7	390.0	31	858	903	1400	682	1130	1190	2240	850	3160	3330	5740	2610
1950	8	125.0	19	1010	342	1650	864	1190	402	2760	780	3460	1170	6920	2990
1950	9	208.0	30	884	497	1680	765	1190	666	3240	568	3280	1840	7750	2090
	Data Avg.	225.0	108	935	568	1750	682	1220	741	4740	280	3420	2070	10300	2090
1950	10	11.3	6	1260	39	1520	961	2480	76	3100	1750	5940	182	7300	4330
1951	2	23.0	1	1870	116	1900	1580	4630	288	4870	2120	10300	638	10700	5760
1951	3	7.0	2	2220	42	2220	2220	5570	105	5570	5570	12300	232	12300	12300
1951	4	0.0	1												
1951	5	2900.0	15	616	4830	1140	564	575	4500	1670	230	1930	15100	4450	1650
1951	6	241.0	30	823	536	1610	608	826	538	2380	480	2630	1710	6260	1790
	Data Avg.	924.0	55	648	1620	2220	564	616	1540	5570	230	2040	5100	12300	1650

STATION: POND CREEK NEAR FT. COBB, OKLAHOMA

NUMBER: 513 BASIN: RED TRIBUTARY TO: WASHITA

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1946	10	23.2	31	159	10	166	148	16	1	16	15	522	33	527	514
1946	11	47.3	30	115	15	121	111	16	2	17	14	456	58	480	435
1946	12	37.1	31	122	12	132	109	16	2	16	15	503	50	510	500
1947	1	41.0	31	120	13	126	112	17	2	18	16	451	50	458	445
1947	2	34.3	28	124	12	127	123	17	2	18	16	449	42	465	438
1947	3	38.3	31	118	12	121	116	16	2	17	15	486	50	498	464
1947	4	130.0	30	91	32	132	73	12	4	16	11	361	126	503	298
1947	5	200.0	31	96	52	176	28	10	5	18	4	319	172	523	149
1947	6	43.3	30	115	13	226	10	12	1	16	7	371	43	603	240
1947	7	55.4	31	182	27	204	179	14	2	16	2	540	81	577	516
1947	8	9.3	31	213	5	223	208	18		18	18	460	12	512	402
1947	9	6.5	30	226	4	244	207	18		18	18	527	9	547	502
	Data Avg.	55.6	365	116	17	244	10	13	2	18	2	404	61	603	149
1947	10	9.3	31	177	4	181	173	20	1	22	19	526	13	530	521
1947	11	15.5	30	163	7	175	156	18	1	19	18	519	22	542	484
1947	12	56.5	31	78	12	131	25	9	1	16	4	322	49	482	160
1948	1	30.8	31	120	10	125	115	14	1	15	14	464	39	476	456
1948	2	45.4	29	119	15	126	114	15	2	16	14	459	56	472	452
1948	3	62.8	31	110	19	118	105	14	2	16	13	351	60	379	328
1948	4	35.0	30	130	12	144	106	15	1	16	13	379	36	410	338
1948	5	21.9	31	141	8	147	131	20	1	23	18	456	27	477	444
1948	6	165.0	30	188	84	263	109	10	4	21	7	412	184	594	361
1948	7	29.6	31	253	20	256	250	23	2	25	22	617	49	626	611
	Data Avg.	47.0	305	150	19	263	25	13	2	25	4	419	53	626	160

STATION: QUITAQUE CREEK NEAR QUITAQUE, TEXAS

NUMBER: 495 BASIN: RED TRIBUTARY TO: NORTH PEASE OF PEASE

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1945	11	4.6	17	43	1	43	42	51	1	51	50	431	5	449	420
1945	12	4.9	30	42	1	42	42	50	1	52	49	430	6	447	412
Data Avg.		4.8	47	42	1	43	42	50	1	52	49	430	6	449	412

STATION: RED RIVER AT FULTON, ARKANSAS

NUMBER: 712 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	3880.0	31	95	996	108	73	157	1650	175	134	583	6120	627	519
1946	11	47800.0	30	23	2960	108	18	29	3740	175	20	175	22600	627	150
1946	12	50300.0	31	65	8860	87	37	98	13300	132	54	393	53400	507	245
1947	1	13900.0	31	69	2580	71	67	101	3810	106	99	392	14700	404	382
1947	2	8220.0	28	91	2010	92	87	130	2890	133	125	498	11100	504	482
1947	3	17600.0	30	27	1290	84	13	34	1600	122	12	185	8810	496	113
1947	4	26900.0	30	37	2700	82	22	44	3170	118	17	236	17200	436	164
1947	5	65800.0	31	40	7150	86	10	61	10900	137	11	265	47100	498	121
1947	6	36900.0	30	142	14200	147	135	210	20900	221	187	721	71900	728	688
1947	7	8410.0	31	137	3120	143	133	175	3980	180	170	679	15400	700	662
1947	8	4370.0	31	133	1570	136	126	172	2030	175	170	693	8170	708	665
1947	9	8230.0	30	54	1210	128	16	74	1660	167	25	301	6690	613	107
	Data Avg.	24400.0	364	61	4060	147	10	88	5820	221	11	358	23700	728	107
1952	10	2450.0	31	169	1120	184	136	262	1740	285	220	871	5760	922	776
1952	11	5480.0	30	66	977	180	12	97	1440	270	14	363	5380	899	94
1952	12	13500.0	31	21	772	64	6	25	904	82	5	127	4630	306	61
1953	1	9440.0	31	19	495	68	8	30	762	100	8	140	3570	396	85
1953	2	11900.0	28	17	562	24	12	23	755	39	13	109	3520	168	67
1953	3	23400.0	30	8	492	10	5	8	525	12	5	93	5890	122	55
1953	4	33700.0	30	16	1470	34	6	19	1710	45	5	152	13900	235	88
1953	5	67800.0	31	9	1630	33	6	10	1860	48	6	120	22000	276	100
1953	6	3870.0	30	112	1170	140	77	164	1720	205	111	657	6860	807	477
1953	7	18600.0	31	31	1560	173	13	40	2010	240	16	226	11400	851	150
1953	8	6900.0	31	88	1650	154	16	128	2380	219	18	467	8710	726	146
1953	9	3420.0	30	140	1300	178	65	215	1980	270	104	708	6550	870	381
	Data Avg.	16800.0	364	24	1100	184	5	33	1490	285	5	181	8220	922	55
1953	10	3220.0	31	174	1510	187	155	266	2310	296	242	880	7660	942	795
1953	11	2710.0	30	131	960	187	81	207	1510	272	130	724	5290	938	477
1953	12	4960.0	31	77	1030	134	33	123	1650	198	55	413	5540	634	212
1954	1	15300.0	31	25	1050	127	13	36	1480	190	15	194	8000	633	139
1954	2	11400.0	28	42	1280	87	23	60	1840	142	26	248	7650	492	143
1954	3	4150.0	31	83	932	101	41	144	1620	210	56	497	5580	698	225
1954	4	10900.0	30	39	1140	117	18	61	1810	202	26	261	7700	697	148
1954	5	47700.0	31	48	6180	126	16	77	9960	218	14	308	39700	707	140
1954	6	16100.0	30	119	5160	147	79	195	8450	235	120	647	28100	764	427
1954	7	5980.0	31	157	2550	161	154	250	4040	252	248	811	13100	825	800
1954	8	4070.0	31	168	1850	174	159	251	2760	258	245	839	9240	859	813
1954	9	3060.0	30	175	1450	184	169	264	2180	280	250	886	7320	934	856
	Data Avg.	10800.0	365	72	2100	187	13	113	3310	296	14	414	12100	942	139

STATION: RED RIVER AT FULTON, ARKANSAS

NUMBER: 712 BASIN: RED TRIBUTARY TO: [illegible]

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	19500.0	31	19	1020	38	8	27	1420	50	6	140	7360	226	58
1954	11	8510.0	30	42	976	132	9	58	1340	195	8	238	5470	660	54
1954	12	7060.0	31	68	1310	149	37	101	1940	230	54	381	7270	781	222
1955	1	10800.0	31	20	581	30	15	25	745	46	18	130	3810	204	94
1955	2	16000.0	28	18	781	50	10	26	1130	74	12	127	5460	295	64
1955	3	25700.0	31	15	1060	58	8	19	1350	122	7	90	6230	344	60
1955	4	17600.0	30	25	1170	46	15	35	1660	64	16	169	8020	290	101
1955	5	13000.0	31	30	1070	72	17	41	1440	106	15	207	7280	389	130
1955	6	13700.0	30	154	5700	188	73	220	8140	272	105	739	27400	924	358
1955	7	6390.0	31	158	2730	202	52	219	3780	290	66	715	12400	901	294
1955	8	4800.0	31	202	2620	212	197	263	3410	278	248	853	11100	902	808
1955	9	10000.0	30	75	2020	205	28	107	2910	270	48	394	10700	929	212
	Data Avg.	12700.0	365	51	1750	212	8	71	2440	290	6	272	9360	929	54
1955	10	20800.0	31	171	9630	221	22	241	13600	320	32	793	44600	1010	172
1955	11	5270.0	30	218	3110	224	212	297	4220	300	290	960	13700	974	939
1955	12	5270.0	31	180	2570	191	164	247	3520	260	230	802	11400	842	748
1956	1	4560.0	31	186	2290	196	172	247	3040	265	225	818	10100	881	749
1956	2	29800.0	28	32	2550	68	10	42	3400	90	17	180	14500	331	67
1956	3	7560.0	30	85	1750	144	24	109	2230	190	29	436	8900	689	161
1956	4	3410.0	30	78	716	112	48	109	1010	165	72	442	4070	589	337
1956	5	14900.0	28	33	1330	133	15	39	1580	175	14	207	8340	650	127
1956	6	3470.0	30	97	909	187	55	134	1260	272	77	509	4770	909	316
1956	7	1830.0	31	233	1150	241	226	326	1610	345	302	1050	5210	1120	963
1956	8	1840.0	31	263	1310	285	240	374	1860	390	335	1210	6040	1270	1140
1956	9	1500.0	30	277	1120	309	203	385	1560	430	290	1250	5050	1380	950
	Data Avg.	8180.0	361	108	2390	309	10	148	3270	430	14	518	11400	1380	67
1956	10	842.0	31	224	509	284	125	326	742	400	210	1070	2430	1260	755
1956	11	1240.0	30	40	134	148	13	89	300	190	38	339	1140	820	161
1956	12	2570.0	31	20	136	29	7	30	211	72	7	146	1020	345	54
1957	1	7600.0	31	36	749	154	14	49	1010	205	18	185	3800	680	96
1957	2	17800.0	28	24	1160	125	9	29	1370	138	12	135	6500	478	79
1957	3	20200.0	31	26	1400	109	11	29	1610	126	14	147	8020	462	97
1957	4	70500.0	30	21	4050	125	8	19	3660	115	7	151	28400	436	90
1957	5	121000.0	31	58	18900	120	16	67	22000	150	13	300	97900	562	138
1957	6	117000.0	30	85	26900	150	62	96	30300	156	69	398	126000	605	308
1957	7	24100.0	31	153	9990	156	135	160	10400	162	148	635	41400	652	598
1957	8	4760.0	31	140	1810	157	100	170	2190	185	122	668	8590	710	511
1957	9	21200.0	30	38	2200	158	16	42	2400	195	13	236	13500	746	150
	Data Avg.	34000.0	365	62	5670	284	7	69	6360	400	7	308	28200	1260	54

STATION: RED RIVER AT GAINESVILLE, TEXAS

NUMBER: 508 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	5	1070.0	31	291	842	471	170	665	1920	1060	392	1600	4620	2490	973
1944	6	4270.0	30	409	4710	659	181	571	6580	1030	252	1600	18500	2710	757
1944	7	857.0	31	737	1710	1140	442	1130	2620	1650	635	2970	6880	4380	1740
1944	8	566.0	31	533	815	782	434	804	1230	1300	620	2140	3280	3280	1710
1944	9	577.0	30	519	809	940	253	975	1520	2070	398	2400	3740	4790	1080
	Data Avg.	1460.0	153	449	1770	1140	170	701	2760	2070	252	1870	7360	4790	757
1944	10	2870.0	31	164	1270	495	113	345	2680	1080	243	873	6770	2540	633
1944	11	1030.0	30	235	655	639	149	559	1560	1500	348	1350	3760	3440	956
1944	12	1040.0	31	510	1430	683	138	1170	3290	1530	445	2740	7700	3600	1010
1945	1	1120.0	31	453	1370	751	296	1080	3280	1740	740	2520	7630	4040	1720
1945	2	2230.0	28	223	1340	616	91	566	3410	1550	240	1400	8410	3530	702
1945	3	13700.0	31	84	3110	172	42	215	7970	496	104	601	22300	1140	362
1945	4	11000.0	30	123	3660	244	50	189	5650	500	65	669	19900	1330	360
1945	5	2470.0	31	236	1580	386	136	500	3340	785	325	1280	8560	1970	828
1945	6	4040.0	30	200	2180	383	79	341	3720	840	195	937	10200	2040	525
1945	7	5010.0	31	262	3550	353	152	412	5580	572	265	1140	15400	1550	732
1945	8	1700.0	31	357	1640	836	139	572	2630	1630	269	1580	7280	3960	836
1945	9	3950.0	30	102	1090	570	31	219	2340	1110	62	618	6610	2720	250
	Data Avg.	4190.0	365	169	1910	836	31	335	3790	1740	62	918	10400	4040	250
1945	10	11300.0	31	67	2050	293	31	158	4810	730	62	465	14200	1740	250
1945	11	564.0	29	333	507	380	308	821	1250	895	780	1970	3000	2170	1860
1945	12	486.0	30	393	515	446	349	916	1200	960	875	2240	2940	2400	2100
1946	1	2910.0	30	166	1310	521	58	451	3540	1440	168	1130	8840	3290	491
1946	2	3100.0	28	140	1170	398	53	360	3010	1100	147	959	8030	2540	452
1946	3	1470.0	31	190	755	338	74	510	2030	912	202	1300	5160	2140	654
1946	4	914.0	29	296	730	497	180	808	2000	1240	520	1890	4680	2880	1250
	Data Avg.	3010.0	208	124	1010	521	31	314	2560	1440	62	827	6730	3290	250

STATION: RED RIVER AT GAINESVILLE, TEXAS

NUMBER: 508 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	119.0	31	703	226	709	697	1490	480	1520	1450	3660	1180	3710	3610
1952	11	142.0	30	577	221	650	491	1280	490	1440	1090	3100	1190	3500	2650
1952	12	179.0	31	447	216	484	369	1110	534	1220	935	2660	1280	2900	2270
1953	1	126.0	31	577	196	646	398	1380	468	1580	1010				
1953	2	151.0	28	551	225	657	392	1240	504	1440	885	2990	1220	3500	2220
1953	3	805.0	31	205	446	637	109	457	994	1360	200	1240	2700	3470	637
1953	4	1050.0	30	428	1210	1190	48	934	2640	2750	105	2330	6600	6480	394
1953	5	755.0	31	256	523	845	94	594	1210	1780	208	1550	3170	4230	619
1953	6	1160.0	30	178	559	670	111	362	1140	1740	192	1010	3180	4220	614
1953	7	1630.0	31	386	1700	655	42	471	2070	1050	101	1470	6470	2470	342
1953	8	1410.0	31	712	2710	799	446	918	3490	1110	550	2720	10300	3100	1860
1953	9	243.0	30	610	400	754	415	972	637	1450	800	2650	1740	3670	2050
	Data Avg.	651.0	365	412	724	1190	42	698	1230	2750	101	1910	3370	6480	342
1953	10	8040.0	31	222	4830	803	109	312	6770	1450	150	952	20700	3670	501
1953	11	2460.0	30	241	1600	705	106	459	3060	1420	238	1240	8250	3560	666
1953	12	1100.0	31	272	812	525	105	572	1710	1030	222	1470	4400	2630	638
1954	1	365.0	31	561	553	578	537	1160	1140	1200	1090	2950	2910	3060	2770
1954	2	263.0	28	617	438	626	610	1280	906	1290	1260	3170	2250	3300	3100
1954	3	204.0	31	538	296	547	526	1190	654	1200	1180	2840	1570	2870	2820
1954	4	1080.0	30	348	1010	586	142	716	2090	1420	330	1870	5450	3440	886
1954	5	17700.0	31	189	9060	385	67	279	13400	565	114	872	41800	1650	412
1954	6	4610.0	30	350	4350	680	152	536	6670	985	210	1530	19000	2650	736
1954	7	379.0	31	621	636	664	557	1220	1250	1280	1150	3020	3090	3080	2910
1954	8	237.0	31	628	402	1190	436	1290	824	2000	1000	3160	2020	5210	2390
1954	9	196.0	30	852	451	1140	575	1470	778	1700	1280	3800	2010	4720	3090
	Data Avg.	3090.0	365	246	2050	1190	67	394	3290	2000	114	1140	9520	5210	412
1954	10	181.0	31	451	220	474	228	927	453	1020	530	2290	1120	2490	1270
1954	11	137.0	30	434	160	497	353	923	341	1020	750	2360	873	2620	1940
1954	12	181.0	31	382	187	500	215	887	434	1080	525	2220	1090	2720	1360
1955	1	200.0	31	402	218	441	325	1080	587	1200	900	2690	1460	3040	2150
1955	2	245.0	28	337	224	491	208	887	588	1200	532	2150	1430	2910	1330
1955	3	437.0	31	215	254	511	72	546	645	1200	242	1380	1630	3100	603
1955	4	248.0	30	287	192	466	127	683	458	1100	280	1750	1180	2850	831
1955	5	14400.0	31	248	9680	601	128	323	12600	1350	170	1000	39100	3300	622
1955	6	10000.0	30	401	10900	733	210	515	13900	925	350	1580	42700	2820	1020
1955	7	1770.0	31	705	3360	814	302	1070	5100	1310	630	2940	14000	3560	1610
1955	8	732.0	31	704	1390	900	363	1190	2350	1400	790	3170	6280	3830	1960
1955	9	2860.0	30	125	962	596	70	229	1760	1200	118	670	5170	3000	400
	Data Avg.	2630.0	365	326	2320	900	70	462	3280	1400	118	1370	9700	3830	400

STATION: RED RIVER AT GAINESVILLE, TEXAS

NUMBER: 508 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	15800.0	31	176	7530	472	128	239	10200	800	162	774	33100	2170	590
1955	11	1410.0	30	545	2070	642	509	922	3510	1250	805	2510	9550	3280	2330
1955	12	621.0	31	655	1100	681	630	1340	2240	1380	1300	3370	5660	3530	3240
1956	1	472.0	30	687	875	703	662	1430	1820	1500	1380	3610	4600	3690	3510
1956	2	544.0	29	723	1060	798	577	1540	2260	1800	1220	3830	5630	4430	3110
1956	3	297.0	31	796	640	835	747	1700	1370	1780	1600	4220	3390	4370	3990
1956	4	256.0	30	699	484	714	676	1500	1040	1600	1380	3830	2650	4030	3490
1956	5	3300.0	31	453	4030	780	170	710	6330	1300	360	2010	17900	3390	975
1956	6	2150.0	30	810	4700	1120	479	1040	6040	2250	560	3070	17800	5490	1760
1956	7	734.0	31	463	918	1050	57	816	1620	1900	155	2160	4290	4860	446
1956	8	185.0	31	762	380	770	745	1400	700	1450	1340	3560	1770	3620	3470
1956	9	108.0	30	722	211	742	659	1330	388	1420	1180	3460	1010	3640	3080
	Data Avg.	2180.0	365	341	2010	1120	57	532	3140	2250	155	1520	8990	5490	446
1956	10	1450.0	26	286	1120	679	125	465	1820	1240	205	1330	5200	3270	859
1956	11	834.0	30	166	373	515	118	363	817	1220	248	971	2190	2950	704
1956	12	656.0	31	225	398	550	107	561	993	1310	270	1440	2350	3200	730
1957	1	174.0	31	432	203	523	319	1080	508	1320	745	2760	1300	3350	2160
1957	2	496.0	28	246	329	501	119	653	875	1320	328	1740	2340	3360	930
1957	3	897.0	31	216	523	538	124	667	1620	1470	370	1640	3970	3400	987
1957	4	14800.0	30	103	4130	1220	58	140	5610	1170	67	545	21800	4500	335
1957	5	47800.0	31	170	21900	248	80	196	25300	300	99	698	90100	976	444
1957	6	20900.0	30	314	17800	625	83	416	23500	1240	110	1300	73400	3160	429
1957	7	1610.0	31	546	2370	696	272	1070	4640	1450	490	2770	12000	3660	1390
1957	8	941.0	31	610	1550	964	317	970	2470	1400	455	2700	6880	3590	1500
1957	9	718.0	30	522	1010	917	324	924	1790	1700	445	2470	4790	4260	1380
	Data Avg.	7790.0	365	247	4360	1220	58	280	5830	1700	67	910	19200	4500	335

STATION: RED RIVER AT DENISON DAM AT DENISON, TEXAS

NUMBER: 522 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	5	140.0	30	194	60	190	177	330	125	348	323	918	347	948	915
1944	6	408.0	25	201	222	207	183	351	387	360	318	978	1080	1000	902
1944	7	161.0	29	278	121	301	251	483	210	525	438	1310	568	1400	1200
1944	8	675.0	26	288	525	333	247	442	844	520	398	1280	2340	1430	1120
1944	9	112.0	27	272	82	326	268	434	131	515	390	1220	370	1430	1120
	Data Avg.	289.0	137	252	197	326	177	420	329	525	318	1160	910	1430	902
1944	10	147.0	31	218	87	219	216	317	126	320	312	945	377	954	935
1944	11	126.0	30	227	77	231	225	321	109	328	315	971	330	977	954
1944	12	613.0	31	267	441	284	234	344	570	353	328	1060	1760	1100	986
1945	1	271.0	31	254	186	290	244	392	287	465	375	1120	821	1300	1080
1945	2	678.0	28	230	422	237	225	337	618	352	328	1000	1840	1030	978
1945	3	8620.0	31	202	4710	223	194	301	7020	325	288	895	20800	970	864
1945	4	20400.0	30	146	8060	171	134	214	11900	255	198	661	36400	768	609
1945	5	20300.0	31	113	6200	115	106	177	9760	183	164	548	30100	557	517
1945	6	7920.0	30	103	2210	105	103	153	3270	158	150	498	10700	504	496
1945	7	10800.0	31	101	5400	105	98	154	8360	170	146	508	27200	535	480
1945	8	4880.0	31	116	1530	119	114	181	2390	184	180	567	7470	574	562
1945	9	2740.0	31	114	843	121	109	164	1220	168	152	539	4000	574	513
	Data Avg.	7250.0	366	129	3520	290	98	195	3800	465	146	606	11900	1300	480
1945	10	27400.0	31	98	7230	116	96	131	9660	160	115	512	37900	586	464
1945	11	2360.0	30	97	623	99	96	125	801	128	124	479	3060	496	472
1945	12	1010.0	31	98	267	99	98	129	352	130	127	493	1340	510	481
1946	1	4230.0	31	98	1130	99	98	137	1560	152	132	510	5840	527	494
1946	2	9460.0	28	97	2470	97	95	133	3300	134	129	516	13200	524	499
1946	3	4740.0	31	98	1250	99	97	130	1560	132	129	528	4770	543	518
1946	4	4100.0	30	102	1140	103	102	135	1400	139	133	542	4000	558	528
1946	5	3750.0	31	102	1040	103	102	140	1410	144	134	530	5440	541	517
1946	6	8870.0	30	104	2490	105	103	147	4020	157	145	580	13200	593	567
1946	7	4440.0	31	106	1270	107	105	147	2010	173	145	613	7350	4161	611
1946	8	2150.0	31	104	617	108	103	136	1110	145	126	446	3260	4431	440
1946	9	1990.0	30	104	573	108	103	134	771	138	130	446	2430	557	436
	Data Avg.	6200.0	365	100	1670	114	96	139	3331	435	115	537	9000	660	494

STATION: RED RIVER AT DENISON DAM AT DENISON, TEXAS

NUMBER: 522 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
[illegible]	10	2980.0	31	184	1480	321	120	282	2270	490	185	863	6950	1360	644
[illegible]	11	4870.0	30	193	2540	248	161	303	3990	388	255	953	12500	1100	822
[illegible]	12	11500.0	31	162	5010	165	158	250	7750	250	250	802	24900	814	795
[illegible]	1	5130.0	31	158	2190	162	154	246	3410	250	245	766	10600	779	750
[illegible]	2	4310.0	28	160	1860	164	157	240	2800	245	232	740	8630	758	722
[illegible]	3	2170.0	31	153	894	154	151	232	1360	240	226	744	4360	773	728
[illegible]	4	4320.0	30	149	2540	150	145	250	4270	268	246	790	13500	805	766
[illegible]	5	22800.0	31	153	9450	158	146	258	15900	269	231	802	49400	844	773
[illegible]	6	26100.0	30	167	11800	167	167	238	16800	238	238	803	56600	804	804
[illegible]	7	4220.0	31	166	1890	166	166	232	2640	232	232	775	8840	776	776
[illegible]	8	2340.0	31	188	1190	188	188	242	1530	242	242	828	5230	829	829
[illegible]	9	2310.0	30	185	1160	185	185	238	1490	238	238	790	4940	791	791
	Data Avg.	7920.0	365	163	3500	321	120	250	5350	490	185	804	17200	1360	644
[illegible]	10	2200.0	31	181	1070	181	181	212	1260	212	212	776	4610	777	777
[illegible]	11	1340.0	30	163	590	163	163	220	797	220	220	763	2770	764	764
[illegible]	12	2350.0	31	176	1120	176	176	215	1370	215	215	761	4840	762	762
[illegible]	1	2430.0	31	177	1160	177	177	228	1500	228	228	762	5010	763	763
[illegible]	2	2600.0	29	175	1230	175	175	235	1650	235	235	764	5380	765	765
[illegible]	3	2690.0	31	179	1300	179	179	222	1610	222	222	787	5720	788	788
[illegible]	4	3470.0	30	177	1660	177	177	225	2110	225	225	788	7380	789	789
[illegible]	5	2840.0	31	178	1360	178	178	232	1780	232	232	753	5720	754	754
[illegible]	6	6000.0	30	178	2880	178	178	245	3970	245	245	794	12900	795	795
[illegible]	7	11700.0	31	177	5570	177	177	250	7860	250	250	816	25700	817	817
[illegible]	8	2550.0	31	172	1180	172	172	242	1670	242	242	819	5640	820	820
[illegible]	9	2120.0	30	184	1060	184	184	288	1650	288	288	904	5190	905	905
	Data Avg.	3530.0	366	177	1690	184	163	238	2270	288	212	796	7590	905	754
1948	10	1840.0	31	173	859	173	173	242	1200	242	242	808	4020	809	809
1948	11	2170.0	30	175	1020	175	175	246	1440	246	246	773	4530	774	774
[illegible]	12	1980.0	31	178	954	178	178	250	1340	250	250	789	4230	790	790
1949	1	2570.0	31	178	1240	178	178	254	1760	254	254	804	5590	805	805
1949	2	2410.0	28	190	1240	190	190	300	1950	300	300	895	5830	896	896
1949	3	2930.0	31	182	1440	182	182	278	2200	278	278	880	6980	881	881
1949	4	2350.0	30	175	1110	175	175	252	1600	252	252	829	5260	830	830
1949	5	9090.0	31	182	4470	182	182	270	6630	270	270	857	21100	858	858
1949	6	14000.0	30	208	7890	208	208	328	12400	328	328	972	36900	973	973
1949	7	2310.0	31	217	1350	217	217	332	2070	332	332	1040	6480	1040	1040
1949	8	2460.0	31	209	1390	209	209	308	2040	308	308	992	6590	993	993
1949	9	2450.0	30	203	1340	203	203	280	1850	280	280	901	5970	902	902
	Data Avg.	3880.0	365	193	2020	217	173	290	3040	332	242	900	9440	1040	774

STATION: RED RIVER AT DENISON DAM AT DENISON, TEXAS

NUMBER: 522 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM	WEIGHTED AVERAGE PPM	WEIGHTED AVERAGE TONS/DAY	MAX. PPM	MIN. PPM
1949	10	2950.0	31	207	1650	207	207	280	2230	280	280	899	7160	900	900
1949	11	2770.0	30	209	1560	209	209	280	2090	280	280	901	6730	902	902
1949	12	2950.0	31	222	1770	222	222	280	2230	280	280	929	7410	930	930
1950	1	2540.0	31	216	1480	216	216	288	1970	288	288	939	6440	940	940
1950	2	3100.0	28	214	1790	214	214	290	2430	290	290	969	8130	970	970
1950	3	1770.0	31	215	1030	215	215	300	1440	300	300	976	4670	977	977
1950	4	2380.0	30	216	1390	216	216	325	2090	325	325	971	6240	972	972
1950	5	13900.0	31	214	8010	214	214	295	11000	295	295	966	36200	967	967
1950	6	8660.0	30	193	4510	193	193	275	6430	275	275	884	20700	885	885
1950	7	7210.0	31	177	3440	177	177	260	5060	260	260	823	16000	824	824
1950	8	25600.0	31	175	12100	175	175	272	18800	272	272	847	58500	848	848
1950	9	10300.0	30	165	4600	165	165	245	6830	245	245	789	22000	790	790
	Data Avg.	7050.0	365	191	3630	222	165	276	5250	325	245	881	16800	977	790
1950	10	8030.0	31	171	3710	171	171	265	5750	265	265	836	18100	837	837
1950	11	2930.0	30	177	1400	177	177	262	2070	262	262	819	6490	820	820
1950	12	3000.0	31	184	1490	184	184	278	2250	278	278	849	6880	850	850
1951	1	2890.0	31	195	1520	195	195	300	2340	300	300	919	7180	920	920
1951	2	3300.0	28	189	1690	189	189	285	2540	285	285	872	7790	873	873
1951	3	2340.0	31	193	1220	193	193	285	1800	285	285	892	5630	893	893
1951	4	2090.0	30	192	1080	192	192	285	1610	285	285	910	5140	911	911
1951	5	13900.0	31	177	6640	177	177	302	11300	302	302	958	36000	959	959
1951	6	26000.0	30	207	14500	207	207	325	22800	325	325	1010	70800	1010	1010
1951	7	13600.0	31	178	6550	178	178	260	9560	260	260	839	30900	840	840
1951	8	3120.0	31	163	1370	163	163	238	2010	238	238	787	6640	788	788
1951	9	2560.0	30	157	1090	157	157	225	1560	225	225	724	5020	725	725
	Data Avg.	6990.0	365	187	3530	207	157	290	5470	325	225	912	17200	1010	725
1951	10	1840.0	31	160	795	160	160	212	1050	212	212	721	3590	722	722
1951	11	1660.0	30	176	789	176	176	220	986	220	220	738	3310	739	739
1951	12	1820.0	31	167	818	167	167	228	1120	228	228	749	3680	750	750
1952	1	2650.0	31	170	1220	170	170	222	1590	222	222	750	5380	751	751
1952	2	1840.0	29	180	893	180	180	248	1230	248	248	805	4000	806	806
1952	3	1900.0	31	184	941	184	184	248	1270	248	248	833	4270	834	834
1952	4	3030.0	30	185	1510	185	185	245	2010	245	245	823	6740	824	824
1952	5	2460.0	31	189	1260	189	189	245	1630	245	245	834	5550	835	835
1952	6	2840.0	30	195	1500	195	195	262	2010	262	262	883	6790	884	884
1952	7	2710.0	31	201	1470	201	201	277	2030	277	277	891	6520	892	892
1952	8	3140.0	31	200	1700	200	200	285	2420	285	285	893	7580	894	894
1952	9	1690.0	30	198	905	198	198	285	1300	285	285	861	3940	862	862
	Data Avg.	2300.0	366	185	1150	201	160	250	1560	285	212	823	5120	894	722

STATION: RED RIVER AT DENISON DAM AT DENISON, TEXAS

NUMBER: 522 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	10	2390.0	31	203	1310	203	203	295	1910	295	295	911	5900	912	912
1952	11	1520.0	30	205	839	205	205	295	1210	295	295	920	3770	921	921
1952	12	1360.0	31	209	765	209	209	295	1080	295	295	917	3360	918	918
1953	1	1500.0	31	211	856	211	211	298	1210	298	298	960	3900	961	961
1953	2	1270.0	28	210	719	210	210	300	1030	300	300	928	3180	929	929
1953	3	711.0	31	207	397	207	207	305	586	305	305	933	1790	934	934
1953	4	1750.0	30	210	991	210	210	300	1420	300	300	932	4400	933	933
1953	5	1480.0	31	211	841	211	211	295	1180	295	295	977	3900	978	978
1953	6	2110.0	30	202	1150	202	202	300	1710	300	300	918	5230	919	919
1953	7	2520.0	31	207	1410	207	207	320	2180	320	320	971	6610	972	972
1953	8	2930.0	31	205	1620	205	205	315	2490	315	315	994	7880	995	995
1953	9	2670.0	30	209	1510	209	209	315	2270	315	315	921	6660	922	922
	Data Avg.	1850.0	365	207	1040	211	202	304	1520	320	295	943	4720	995	912
1953	10	2200.0	31	218	1290	218	218	332	1970	332	332	945	5610	946	946
1953	11	1190.0	30	219	701	219	219	370	1190	370	370	1040	3330	1040	1040
1953	12	2220.0	31	254	1520	254	254	348	2090	348	348	1020	6120	1020	1020
1954	1	2010.0	31	226	1230	226	226	335	1820	335	335	962	5230	963	963
1954	2	2200.0	28	204	1210	204	204	298	1770	298	298	947	5620	948	948
1954	3	2490.0	31	206	1390	206	206	302	2030	302	302	952	6420	953	953
1954	4	2720.0	30	205	1500	205	205	302	2220	302	302	941	6910	942	942
1954	5	17400.0	31	205	9630	205	205	310	14600	310	310	945	44400	946	946
1954	6	9560.0	30	177	4570	177	177	275	7100	275	275	837	21600	838	838
1954	7	4610.0	31	178	2220	178	178	275	3420	275	275	829	10300	830	830
1954	8	3190.0	31	179	1540	179	179	268	2310	268	268	848	7310	849	849
1954	9	2460.0	30	182	1210	182	182	270	1800	270	270	850	5660	851	851
	Data Avg.	4370.0	365	198	2350	254	177	299	3540	370	268	911	10800	1040	830
1954	10	1110.0	31	190	569	190	190	278	832	278	278	879	2640	880	880
1954	11	1970.0	30	200	1060	200	200	300	1600	300	300	903	4810	904	904
1954	12	2080.0	31	202	1130	202	202	310	1740	310	310	933	5240	934	934
1955	1	325.0	31	208	183	208	208	308	270	308	308	935	821	936	936
1955	2	1020.0	28	200	549	200	200	295	809	295	295	941	2580	942	942
1955	3	821.0	31	201	446	201	201	295	654	295	295	937	2080	938	938
1955	4	1170.0	30	198	628	198	198	388	1230	388	388	920	2920	921	921
1955	5	3200.0	31	205	1770	205	205	300	2590	300	300	931	8060	932	932
1955	6	11600.0	30	201	6320	201	201	295	9270	295	295	906	28500	907	907
1955	7	3570.0	31	215	2070	215	215	315	3040	315	315	989	9540	990	990
1955	8	3600.0	31	233	2270	233	233	328	3190	328	328	997	9700	998	998
1955	9	2690.0	30	240	1740	240	240	342	2480	342	342	999	7260	1000	1000
	Data Avg.	2760.0	365	209	1560	240	190	309	2310	388	278	938	7010	1000	880

STATION: RED RIVER AT DENISON DAM AT DENISON, TEXAS

NUMBER: 522 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	14800.0	31	252	10000	252	252	358	14300	358	358	1050	41800	1050	1050
1955	11	4770.0	30	236	3040	236	236	328	4230	328	328	975	12600	976	976
1955	12	4050.0	31	328	3590	328	328	302	3300	302	302	969	10600	970	970
1956	1	3630.0	31	228	2230	228	228	305	2990	305	305	953	9340	954	954
1956	2	4020.0	29	224	2430	224	224	305	3310	305	305	983	10700	984	984
1956	3	2250.0	31	235	1430	235	235	318	1930	318	318	976	5940	977	977
1956	4	1090.0	30	235	691	235	235	318	935	318	318	962	2830	963	963
1956	5	2060.0	31	244	1360	244	244	322	1790	322	322	990	5500	991	991
1956	6	1450.0	30	263	1030	263	263	365	1430	365	365	1080	4230	1080	1080
1956	7	1580.0	31	299	1280	299	299	422	1800	422	422	1220	5210	1220	1220
1956	8	1380.0	31	305	1140	305	305	435	1620	435	435	1260	4700	1260	1260
1956	9	1420.0	30	315	1210	315	315	448	1720	448	448	1280	4920	1280	1280
	Data Avg.	3550.0	366	257	2470	328	224	343	3290	448	302	1030	9900	1280	954
1956	10	66.7	31	333	60	333	333	472	85	470	470	1330	239	1330	1330
1956	11	79.6	30	339	73	340	340	474	102	475	475	1350	290	1350	1350
1956	12	677.0	31	342	625	342	342	484	886	485	485	1380	2520	1380	1380
1957	1	2120.0	31	330	1890	330	330	485	2770	485	485	1360	7770	1360	1360
1957	2	1510.0	28	330	1350	330	330	488	1990	488	488	1360	5550	1360	1360
1957	3	1480.0	31	323	1290	323	323	478	1910	478	478	1330	5320	1330	1330
1957	4	3200.0	30	324	2800	324	324	445	3850	445	445	1290	11100	1290	1290
1957	5	34800.0	31	218	20500	218	218	315	29600	315	315	985	92600	986	986
1957	6	66900.0	30	165	29800	165	165	202	36500	202	202	695	126000	696	696
1957	7	12600.0	31	195	6630	195	195	238	8100	238	238	821	28000	822	822
1957	8	2450.0	31	207	1370	207	207	265	1750	265	265	881	5840	882	882
1957	9	4870.0	20	188	2470	188	188	250	3290	250	250	848	11200	849	849
	Data Avg.	11100.0	355	195	5830	342	165	258	7700	488	202	839	25100	1380	696

STATION: RED RIVER NEAR SHREVEPORT, LOUISIANA

NUMBER: 552 BASIN: RED TRIBUTARY TO: MAIN STEM

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1955	10	21600.0	24	190	11100	225	47	259	15100	312	65	832	48500	974	263
1955	11	5270.0	30	208	2960	210	207	292	4160	295	290	945	13500	962	931
1955	12	25100.0	31	146	9920	148	133	187	12700	188	180	864	58500	868	830
1956	1	5080.0	27	177	2430	184	145	256	3520	263	250	806	11100	836	779
1956	2	35100.0	29	38	3580	120	24	53	5000	169	29	168	15900	574	25
1956	3	13000.0	31	71	2500	94	45	94	3300	129	60	354	12500	443	238
1956	4	5550.0	30	64	965	95	45	90	1340	124	60	345	5180	469	238
1956	5	19300.0	31	37	1940	95	25	51	2640	124	32	225	11700	449	170
1956	6	5250.0	30	73	1040	85	65	104	1480	139	88	407	5770	560	346
1956	7	2190.0	29	193	1140	216	163	290	1720	315	248	901	5330	982	781
1956	8	1780.0	31	248	1190	260	226	359	1730	375	332	1080	5200	1120	1010
1956	9	1490.0	30	246	992	281	203	364	1470	410	310	1110	4470	1220	987
Data Avg.		11600.0	353	102	3200	281	24	139	4350	410	29	512	16100	1220	25
1956	10	1090.0	30	237	696	283	144	356	1050	410	250	1090	3200	1220	826
1956	11	1370.0	29	64	238	96	47	174	646	282	103	555	2060	799	380
1956	12	2600.0	30	39	273	91	17	69	486	130	30	282	1980	434	161
1957	1	6690.0	31	96	1740	213	44	136	2460	295	63	425	7690	867	223
1957	2	21700.0	28	35	2040	79	21	50	2940	118	27	192	11200	386	133
1957	3	21100.0	31	36	2030	81	23	51	2890	119	32	203	11600	389	149
1957	4	77600.0	30	19	4080	32	14	22	4700	42	16	141	29600	192	122
1957	5	155000.0	30	49	20600	93	16	68	28300	132	16	271	113000	436	135
1957	6	137000.0	29	68	25300	100	20	88	32600	121	25	342	127000	448	163
1957	7	41400.0	30	98	10900	113	52	113	12600	130	63	432	48400	481	293
1957	8	10700.0	31	62	1790	71	58	81	2340	99	71	370	10700	428	342
1957	9	17500.0	30	61	2890	121	51	81	3810	166	65	358	16900	666	301
Data Avg.		40800.0	359	54	6000	283	14	71	7830	410	16	287	31700	1220	122

STATION: RUSH CREEK NEAR MAYSVILLE, OKLAHOMA

NUMBER: 724 BASIN: RED TRIBUTARY TO: WASHITA

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1954	10	6.5	31	57	1	230	52	171	3	1720	82	626	11	3490	405
1954	11	2.2	30	168	1	207	184	673	4	750	582	1680	10	1950	1410
1954	12	11.6	31	128	4	213	88	351	11	1120	178	957	30	2390	570
1955	1	22.6	32	131	8	174	124	426	26	950	335	1180	72	2100	964
1955	2	28.1	31	105	8	184	89	356	27	725	185	882	67	1520	585
1955	3	52.5	17	92	13	211	67	127	18	975	70	514	73	1960	379
1955	4	8.8	30	210	5	229	26	294	7	442	31	1010	24	1380	241
1955	5	367.0	31	66	65	257	44	48	48	378	26	335	332	1170	256
1955	6	132.0	30	87	31	273	56	62	22	320	24	365	130	1160	240
1955	7	3.2	31	347	3	361	297	578	5	1400	385	1620	14	2900	1280
1955	8	26.3	31	98	7	450	19	98	7	700	14	422	30	1920	165
1955	9	74.9	30	44	9	339	36	64	13	830	40	296	60	2150	239
	Data Avg.	61.6	355	78	13	450	19	96	16	1720	14	426	71	3490	165

STATION: RUSH CREEK NEAR PURDY, OKLAHOMA

NUMBER: 517 BASIN: RED TRIBUTARY TO: WASHITA

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	13.3	31	188	7	291	165	345	12	598	275	1040	37	1600	930
1946	11	30.0	30	115	9	166	67	154	12	498	59	624	51	1180	343
1946	12	72.9	31	129	25	206	106	87	17	210	45	522	103	861	398
1947	1	17.0	31	201	9	209	188	180	8	195	165	864	40	905	818
1947	2	18.2	28	212	10	215	211	264	13	442	220	987	48	1250	924
1947	3	19.2	31	212	11	223	206	252	13	308	210	943	49	994	913
1947	4	189.0	30	103	52	227	54	76	39	280	36	432	220	960	242
1947	5	199.0	31	182	98	258	124	106	57	170	72	629	338	851	467
1947	6	91.0	30	177	44	244	94	129	32	218	55	686	169	956	410
1947	7	15.2	31	202	8	206	199	277	11	320	240	895	37	994	820
1947	8	5.9	31	209	3	216	202	457	7	630	392	1170	19	1420	1090
1947	9	8.2	30	167	4	187	128	367	8	530	118	1110	19	1230	1020
	Data Avg.	56.6	365	154	24	291	54	126	19	630	36	616	94	1600	242
1947	10	17.6	31	128	6	183	50	331	16	500	110	992	43	1230	939
1947	11	21.6	30	106	6	140	64	270	16	390	165	789	46	1030	519
1947	12	17.1	31	162	8	178	156	393	18	405	385	1050	48	1110	1020
1948	1	14.2	31	168	6	176	163	297	11	318	265	968	37	990	958
1948	2	30.2	29	164	13	187	100	268	22	355	55	812	66	992	355
1948	3	48.2	31	178	23	188	165	246	32	410	168	885	115	1080	724
1948	4	13.2	30	212	8	225	203	360	13	550	278	1050	37	1290	934
1948	5	83.8	31	156	35	163	154	166	38	168	160	660	149	676	645
1948	6	89.2	30	55	13	185	30	134	32	288	112	466	112	950	360
1948	7	50.1	31	133	18	166	115	295	40	358	262	842	114	959	780
1948	8	13.8	31	107	4	165	84	211	8	350	142	675	25	959	528
1948	9	2.8	30	172	1	188	159	457	3	500	315	1130	8	1220	901
	Data Avg.	33.5	366	131	12	225	30	230	21	550	55	740	67	1290	355
1948	10	3.8	31	172	2	199	147	324	3	460	250	956	10	1120	875
1948	11	7.7	30	154	3	165	149	365	8	790	255	952	20	1600	815
1948	12	9.6	31	149	4	155	129	276	7	320	188	816	21	871	660
1949	1	20.1	31	150	8	150	149	321	17	610	305	969	53	1350	928
1949	2	77.0	28	173	36	179	171	218	45	230	198	885	184	942	847
1949	3	26.3	31	198	14	202	195	203	14	212	195	910	65	976	878
1949	4	31.6	30	189	16	210	181	215	18	218	208	900	77	920	874
1949	5	102.0	31	209	58	216	197	159	44	165	148	855	236	870	826
1949	6	36.5	30	168	17	171	165	188	19	197	184	831	82	896	792
1949	7	6.7	31	174	3	183	165	226	4	230	220	907	17	998	814
1949	8	9.5	31	110	3	112	81	484	12	510	100	1130	29	1170	448
1949	9	7.5	30	129	3	144	84	336	7	410	94	950	19	1110	447
	Data Avg.	27.9	365	182	14	216	81	218	16	790	94	888	67	1600	447

STATION: SALT FORK OF RED RIVER NEAR MANGUM, OKLAHOMA

NUMBER: 481 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	10	769.0	9	494	1030	1020	485	102	211	195	100	960	2000	1830	946
1946	11	27.1	21	1080	79	1250	951	208	15	215	198	1940	142	2180	1750
1946	12	35.6	31	1100	106	1270	1000	217	21	220	212	1980	191	2210	1850
1947	1	60.5	19	982	161	1420	922	212	35	228	208	1850	302	2490	1760
1947	2	13.7	28	1410	52	1420	1380	242	9	248	238	2450	90	2480	2400
1947	3	41.0	27	1180	131	1380	1060	232	26	240	228	2120	235	2390	1950
1947	4	111.0	29	957	286	1240	733	218	65	355	140	1790	536	2440	1330
1947	5	1160.0	31	482	1510	1540	281	98	308	520	75	943	2950	3030	630
1947	6	354.0	30	609	583	1310	561	87	83	185	74	1110	1060	2210	1040
1947	7	57.9	31	313	49	1450	100	472	74	540	132	2000	61	2240	1420
1947	8	0.6	31	1310	2	1710	1310	147		555	145	2110	3	3300	2110
	Data Avg.	219.0	287	568	335	1710	100	122	72	555	74	1080	635	3300	630
1947	11	5.9	11	1460	23	1460	1460	207	3	208	208	2460	39	2460	2460
1947	12	5.3	31	1350	19	1470	1310	207	3	240	195	2310	33	2550	2220
1948	1	7.5	24	1550	31	1670	1520	219	4	240	215	2630	53	2780	2580
1948	2	82.6	27	1110	249	1210	500	193	43	208	95	1980	431	2130	1960
1948	3	113.0	31	1000	306	1080	937	208	63	212	202	1950	594	2030	1850
1948	4	3.8	28	1740	18	1840	1570	248	3	272	208	2900	30	3080	2590
1948	5	340.0	8	1020	941	1170	822	152	140	182	112	1730	1590	1970	1400
1948	6	448.0	19	759	918	1400	687	107	129	179	93	1320	1600	2300	1200
1948	7	4.8	31	1250	16	1470	48	201	3	245	90	2290	27	2520	2170
1948	8	2.5	17	1330	9	1640	1070	188	1	211	171	2210	15	2670	1830
	Data Avg.	77.8	227	920	193	1840	48	149	31	272	90	1630	343	3080	1200

STATION: SALT FORK OF RED RIVER NEAR WELLINGTON, TEXAS

NUMBER: 703 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1952	6	7.9	23	762	16	1580	621	131	3	170	125	1420	30	2570	1220
1952	7	1.9	31	1610	8	1620	1580	168	1	170	165	2590	14	2610	2560
1952	8	1.0	31	1670	5	1680	1650	175		188	168	2710	8	2730	2690
1952	9	2.1	31	1690	10	1700	1690	182	1	185	175	2760	16	2780	2740
	Data Avg.	2.9	116	1180	9	1700	621	151	1	188	125	2010	16	2780	1220
1952	10	19.3	31	1700	89	1730	1680	172	9	175	170	2790	146	2830	2750
1952	11	19.2	30	1660	86	1710	1660	190	10	200	170	2750	143	2850	2720
1952	12	10.8	31	1650	48	1660	1640	225	7	255	172	2810	82	2860	2720
1953	1	9.0	31	1570	38	1650	1480	209	5	218	200	2680	65	2790	2560
1953	2	15.9	28	1580	68	1600	1570	222	10	228	220	2700	116	2730	2690
1953	3	19.1	31	1480	76	1660	1310	220	11	265	160	2530	131	2740	2390
1953	4	27.9	30	1340	101	1670	956	228	17	242	175	2340	176	2700	1870
1953	5	8.5	31	1660	38	1690	1600	202	5	225	165	2730	63	2830	2620
1953	6	1.7	30	1570	7	1650	1380	159	1	180	120	2520	12	2670	2210
1953	7	482.0	31	461	601	1600	431	115	151	255	110	966	1260	2620	916
1953	8	49.4	31	735	98	1560	359	126	17	250	65	1350	181	2720	730
1953	9	6.3	30	1640	28	1670	1620	231	4	245	215	2750	47	2780	2740
	Data Avg.	56.6	365	703	108	1730	359	135	21	265	65	1330	204	2860	730
1953	10	72.5	31	503	99	1630	295	103	20	220	71	1020	200	2760	677
1953	11	17.5	30	1360	64	1490	1260	276	13	285	272	2480	118	2640	2340
1953	12	20.9	31	1290	73	1490	1170	267	15	280	252	2360	133	2660	2190
1954	1	24.5	31	1300	86	1780	1240	274	18	282	212	2370	157	2900	2300
1954	2	13.6	28	1400	52	1620	1250	271	10	278	248	2510	92	2770	2310
1954	3	8.0	31	1630	35	1650	1610	262	6	285	232	2820	61	2840	2800
1954	4	34.8	30	915	86	1620	454	193	18	272	145	1740	163	2740	1040
1954	5	547.0	31	467	690	858	277	148	219	240	97	1050	1550	1720	708
1954	6	642.0	30	400	694	1150	347	113	196	320	99	897	1560	2190	803
1954	7	6.6	31	1550	28	1640	1470	330	6	340	290	2780	50	2920	2670
1954	8	45.7	31	672	83	1610	265	180	22	1030	75	1370	169	3980	680
1954	9	4.5	30	1680	21	1710	1650	231	3	232	230	2820	35	2880	2770
	Data Avg.	120.0	365	518	168	1780	265	141	46	1030	71	1100	358	3980	677

STATION: SULFUR RIVER AT DARDEN, TEXAS

NUMBER: 543. BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1947	10	9.3	31	165	4	203	85	588	15	742	238	1290	32	1630	605
1947	11	1150.0	30	32	99	184	24	50	157	645	26	226	704	1320	178
1947	12	7060.0	30	31	590	33	30	12	233	25	7	121	2300	151	107
1948	1	4180.0	31	22	253	86	15	20	223	185	6	162	1830	519	132
1948	2	5240.0	29	29	418	56	25	20	290	66	11	177	2510	282	157
1948	3	5730.0	31	26	399	43	21	14	218	43	8	174	2690	240	165
1948	4	1050.0	30	47	133	75	34	65	186	139	44	284	809	474	225
1948	5	7480.0	31	18	362	83	16	25	513	170	10	165	3340	516	126
1948	6	3470.0	30	34	316	80	33	49	462	233	48	246	2310	636	243
1948	7	236.0	31	63	40	134	53	133	85	455	68	429	274	1030	321
1948	8	63.6	31	99	17	477	57	293	50	1670	105	739	127	3490	392
1948	9	7.5	30	39	1	50	22	106	2	144	54	344	7	422	242
	Data Avg.	2970.0	365	27	218	477	15	25	202	1670	6	175	1410	3490	107
1948	10	10.5	31	454	13	733	29	1760	50	2900	84	3650	103	5930	315
1948	11	26.2	30	466	33	668	260	1760	124	2560	962	3640	257	5240	2040
1948	12	67.6	31	137	25	272	99	495	90	975	115	1120	205	2090	538
1949	1	4930.0	31	12	158	300	10	18	240	1080	10	137	1830	2300	122
1949	2	7250.0	28	18	351	33	13	14	274	40	5	154	3010	212	130
1949	3	6810.0	31	20	369	35	17	19	342	56	10	147	2700	201	131
1949	4	2540.0	30	27	184	49	22	30	208	94	14	201	1380	336	166
1949	5	2940.0	31	21	163	51	16	24	190	122	15	174	1380	386	154
1949	6	986.0	30	32	84	108	25	43	115	295	23	225	600	733	185
1949	7	253.0	31	35	24	362	22	80	55	1470	28	296	203	3000	186
1949	8	146.0	31	37	14	57	28	63	25	99	27	274	108	354	204
1949	9	92.2	30	106	26	295	22	381	95	1170	46	873	217	2420	196
	Data Avg.	2140.0	365	21	119	733	10	26	150	2900	5	170	987	5930	122
1949	10	6150.0	26	9	144	43	3	16	264	116	6	133	2220	380	102
1949	11	1370.0	21	18	68	116	15	26	96	292	17	165	611	752	144
1949	12	852.0	19	54	124	139	39	93	213	378	51	344	791	927	253
1950	1	3740.0	5	34	343	34	34	25	252	25	25	216	2180	216	216
	Data Avg.	3150.0	71	15	130	139	3	23	200	378	6	160	1360	927	102

STATION: WASHITA RIVER AT CARNEGIE, OKLAHOMA

NUMBER: 512 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1953	10	396.0	31	129	138	443	77	12	12	53	7	317	340	854	232
1953	11	58.0	30	307	48	565	221	64	10	168	30	730	114	1370	530
1953	12	97.1	31	262	69	696	149	51	13	198	17	602	158	1610	340
1954	1	26.9	31	769	56	782	756	211	15	215	208	1710	124	1760	1630
1954	2	25.1	28	760	51	774	752	192	13	199	188	1720	116	1750	1690
1954	3	25.8	31	755	53	900	546	218	15	308	200	1750	122	2190	1440
1954	4	93.8	30	300	76	864	188	51	13	212	15	717	182	1970	458
1954	5	1530.0	31	155	643	298	107	9	38	18	7	371	1540	616	286
1954	6	457.0	30	380	469	640	290	44	54	135	20	846	1050	1440	654
1954	7	58.4	31	821	130	855	791	202	32	240	170	1690	266	1810	1600
1954	8	28.7	31	827	64	1080	534	265	21	432	110	1850	143	2390	1300
1954	9	15.2	30	735	30	874	579	138	6	272	30	1480	61	1730	1210
	Data Avg.	237.0	365	239	153	1080	77	32	20	432	7	550	353	2390	232
1954	10	8.8	31	730	17	793	672	303	7	355	270	1760	42	1830	1650
1954	11	12.9	30	730	25	760	703	293	10	315	280	1820	63	1880	1740
1954	12	16.5	31	803	36	808	794	235	10	238	230	1970	88	2110	1860
1955	1	21.5	31	793	46	814	779	195	11	212	180	1760	103	1850	1700
1955	2	24.9	28	738	50	775	516	168	11	180	100	1580	107	1660	1170
1955	3	19.6	31	742	39	872	665	193	10	235	185	1680	89	1830	1520
1955	4	29.2	30	708	56	1060	276	126	10	232	10	1480	117	2240	509
1955	5	972.0	31	152	399	735	105	19	49	135	11	366	961	1510	276
1955	6	754.0	30	194	396	439	120	15	31	50	9	431	878	919	294
1955	7	255.0	31	237	163	558	120	31	22	168	16	534	368	1280	330
1955	8	192.0	31	245	127	589	117	24	12	155	5	518	268	1350	296
1955	9	195.0	30	159	84	806	52	44	23	280	17	437	230	1820	218
	Data Avg.	210.0	365	212	120	1060	52	31	17	355	5	489	277	2240	218
1955	10	1580.0	31	106	454	743	64	14	62	170	5	291	1250	1610	200
1955	11	81.0	30	850	186	885	815	172	38	175	170	1870	410	1920	1830
1955	12	62.8	31	891	151	903	881	160	27	165	155	1860	316	1870	1840
1956	1	56.8	31	882	136	891	877	151	23	156	145	1860	286	1910	1840
1956	2	90.9	29	656	161	869	417	105	26	140	81	1360	334	1800	902
1956	3	50.1	31	930	126	956	915	148	20	150	145	1840	250	1880	1800
1956	4	43.1	30	899	105	943	677	156	18	175	140	1830	213	1940	1470
1956	5	317.0	31	235	201	1290	157	35	30	170	24	539	461	2460	390
1956	6	102.0	30	301	83	998	173	51	14	310	13	672	184	2070	399
1956	7	112.0	31	211	64	540	92	44	13	180	28	518	156	1300	323
1956	8	3.9	31	406	4	435	402	103	1	106	67	988	10	1000	916
1956	9	1.4	30	411	2	450	387	46		68	38	892	3	922	869
	Data Avg.	211.0	366	245	140	1290	64	40	23	310	5	568	324	2460	200

STATION: WASHITA RIVER @ CARNEGIE, OKLAHOMA

NUMBER: 512 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1956	10	157.0	31	180	76	404	163	14	6	58	10	423	179	947	389
1956	11	30.0	30	395	32	542	208	86	7	168	26	925	75	1400	461
1956	12	19.0	31	701	36	729	647	214	11	222	210	1710	88	1750	1670
1957	1	15.5	31	740	31	751	730	191	8	205	182	1740	73	1790	1730
1957	2	22.1	28	787	47	789	779	184	11	208	175	1810	108	1870	1720
1957	3	28.2	31	748	57	766	719	157	12	165	132	1670	127	1760	1590
1957	4	1970.0	30	95	504	739	59	10	55	62	7	271	1440	1430	196
1957	5	3360.0	31	118	1070	276	56	17	152	35	9	347	3150	695	218
1957	6	1480.0	30	227	905	472	72	38	153	78	15	559	2230	1030	248
1957	7	136.0	20	779	286	836	747	131	48	144	125	1630	599	1710	1590
1957	8	41.6	21	818	92	831	808	178	20	178	168	1770	199	1730	1750
1957	9	144.0	30	295	115	952	26	44	17	185	2	667	260	1800	163
	Data Avg.	650.0	344	157	276	952	26	24	42	222	2	416	732	1870	163

STATION: WASHITA RIVER NEAR DURWOOD, OKLAHOMA

NUMBER: 520 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1944	5	1590.0	31	130	561	257	59	31	132	51	17	428	1850	706	267
1944	6	3010.0	30	104	849	255	70	23	189	60	19	357	2900	657	284
1944	7	693.0	29	232	433	393	160	42	79	81	22	614	1150	936	459
1944	8	485.0	31	258	338	322	177	39	51	61	15	625	819	724	428
1944	9	387.0	30	174	182	244	126	36	38	42	32	481	504	618	406
	Data Avg.	1230.0	151	142	473	393	59	29	98	81	15	433	1440	936	267
1944	10	906.0	31	107	262	166	91	25	62	42	23	354	865	516	328
1944	11	518.0	30	141	197	214	65	52	73	89	33	498	696	737	346
1944	12	742.0	31	149	298	245	73	40	81	64	24	443	889	624	275
1945	1	522.0	31	268	378	286	253	80	112	88	72	757	1070	771	748
1945	2	1270.0	28	135	460	295	80	48	163	81	37	464	1590	804	347
1945	3	9380.0	31	54	1370	126	25	22	555	44	10	265	6730	524	168
1945	4	6680.0	30	90	1630	147	69	24	430	47	15	335	6050	522	262
1945	5	1630.0	31	221	974	273	195	55	241	66	50	575	2540	688	522
1945	6	9430.0	30	56	1440	280	29	16	410	70	11	238	6070	780	194
1945	7	4720.0	31	89	1140	182	29	23	300	48	13	299	3820	509	159
1945	8	2180.0	31	96	568	208	46	31	185	44	24	380	2240	632	247
1945	9	4270.0	30	37	422	210	23	17	194	70	13	207	2390	655	170
	Data Avg.	3520.0	365	80	761	295	23	25	234	89	10	306	2910	804	159
1945	10	7090.0	31	59	1130	187	20	19	357	63	7	256	4900	610	140
1945	11	3560.0	30	200	1930	226	196	83	795	83	80	699	6740	747	694
1945	12	683.0	31	244	451	255	234	79	146	81	77	793	1460	840	724
1946	1	2300.0	31	122	760	256	21	51	317	77	17	480	2990	734	172
1946	2	2990.0	27	109	877	221	40	40	324	71	22	420	3390	719	240
1946	3	2080.0	30	135	759	210	60	56	314	71	36	532	3000	730	331
1946	4	1320.0	30	160	568	201	64	64	228	73	32	580	2060	712	351
	Data Avg.	2870.0	210	119	923	256	20	46	354	83	7	452	3500	840	140

STATION: WASHITA RIVER NEAR DURWOOD, OKLAHOMA

NUMBER: 520 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1946	12	4870.0	26	82	1080	140	57	52	686	69	45	425	5600	601	349
1947	1	644.0	31	219	380	247	182	80	138	84	74	714	1240	752	652
1947	2	484.0	28	256	335	265	249	88	115	90	87	732	957	779	669
1947	3	463.0	31	281	352	305	265	88	110	92	86	781	978	818	746
1947	4	5500.0	30	84	1260	208	49	26	379	83	15	299	4440	661	211
1947	5	9910.0	31	81	2180	212	47	22	588	66	15	279	7480	647	193
1947	6	5550.0	30	110	1640	354	54	29	439	60	16	353	5300	810	228
Data Avg.		3930.0	207	98	1040	354	47	33	346	92	15	348	3700	818	193
1949	1	341.0	31	212	195	301	122	80	74	117	49	650	598	866	441
1949	2	2600.0	28	106	742	270	81	32	228	96	25	354	2490	771	318
1949	3	1320.0	31	173	621	293	135	47	169	75	32	542	1940	754	464
1949	4	825.0	30	238	530	270	148	66	146	89	52	662	1480	742	462
1949	5	7300.0	31	96	1900	226	49	22	429	64	11	333	6570	692	241
Data Avg.		2490.0	151	119	801	301	49	31	209	117	11	390	2620	866	241
1950	12	412.0	31	301	335	309	294	79	87	81	76	905	1010	921	895
1951	1	498.0	31	305	410	337	283	76	103	79	74	876	1180	936	830
1951	2	963.0	28	227	591	337	119	64	166	83	49	680	1770	912	455
1951	3	922.0	31	191	476	300	93	64	160	75	57	491	1220	806	302
1951	4	542.0	30	294	430	322	283	78	114	80	76	805	1180	816	795
1951	5	7330.0	31	126	2510	319	56	23	450	76	14	352	6970	753	209
1951	6	7140.0	30	115	2230	218	56	28	536	56	18	396	7650	713	262
1951	7	1460.0	31	194	762	305	134	48	190	70	35	556	2190	800	404
1951	8	356.0	31	312	300	421	238	73	70	85	66	754	724	892	621
1951	9	404.0	30	257	280	357	188	55	60	82	36	654	714	904	480
Data Avg.		2010.0	304	154	833	421	56	36	193	85	14	454	2460	936	209

STATION: WASHITA RIVER NEAR DURWOOD, OKLAHOMA

NUMBER: 520 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1951	10	301.0	31	176	143	282	101	54	44	93	39	530	430	815	364
1951	11	338.0	30	200	182	307	23	69	63	106	5	581	530	840	70
1951	12	239.0	31	314	203	337	297	96	62	101	92	876	566	912	844
1952	1	276.0	31	320	239	338	294	95	71	101	92	867	646	900	846
1952	2	303.0	29	319	261	329	305	95	78	99	93	858	703	892	834
1952	3	587.0	31	245	389	316	155	65	104	93	44	667	1060	794	458
1952	4	1120.0	30	160	481	369	24	46	139	76	17	507	1530	840	221
1952	5	2930.0	31	110	873	304	51	27	218	73	15	354	2810	752	227
1952	6	806.0	30	178	388	282	101	34	75	67	21	497	1080	722	352
1952	7	507.0	31	150	206	295	44	43	60	86	13	442	606	722	200
1952	8	83.5	31	206	47	268	183	78	18	93	72	573	129	718	506
1952	9	25.8	30	225	16	251	186	119	8	121	116	729	51	756	700
	Data Avg.	629.0	366	168	286	369	23	46	78	121	5	498	846	912	70
1952	10	51.3	31	110	15	156	104	170	24	175	133	687	95	691	660
1952	11	74.6	30	207	42	259	92	144	29	185	125	759	153	849	632
1952	12	125.0	31	256	86	263	244	110	37	115	103	808	272	833	780
1953	1	125.0	31	299	101	301	296	134	45	139	131	901	303	908	892
1953	2	146.0	28	297	117	318	286	114	45	131	105	816	322	854	788
1953	3	590.0	31	182	290	333	59	54	86	97	19	501	799	812	234
1953	4	1170.0	30	113	356	309	48	35	110	63	28	351	1110	600	245
1953	5	1060.0	31	105	301	244	17	41	118	84	7	387	1110	700	140
1953	6	671.0	30	132	240	431	38	43	78	144	26	426	772	1050	225
1953	7	1730.0	31	67	313	210	34	16	77	114	11	254	1190	586	190
1953	8	362.0	31	98	96	193	65	35	34	52	21	353	345	512	258
1953	9	123.0	30	127	42	177	68	42	14	72	22	424	141	572	267
	Data Avg.	522.0	365	118	167	431	17	41	58	185	7	392	553	1050	140
1953	10	3080.0	31	50	416	151	29	15	126	86	14	212	1760	520	207
1953	11	936.0	30	116	294	193	42	49	123	65	32	423	1070	524	235
1953	12	848.0	31	140	320	209	114	52	119	101	36	445	1020	678	360
1954	1	265.0	31	258	185	266	249	126	90	132	118	846	605	867	808
1954	2	269.0	28	267	194	281	247	120	87	126	112	808	587	849	768
1954	3	216.0	31	262	153	292	153	117	68	133	90	848	496	939	658
1954	4	842.0	30	107	242	313	45	61	139	148	20	390	887	832	192
1954	5	6650.0	31	80	1440	169	42	25	453	50	16	292	5240	515	204
1954	6	1610.0	30	153	667	362	33	45	198	86	10	459	2000	850	160
1954	7	152.0	30	332	137	396	265	90	37	116	67	757	312	952	596
1954	8	40.6	31	313	34	372	172	137	15	155	132	852	94	988	718
1954	9	12.4	30	247	8	432	188	158	5	165	133	817	27	1030	766
	Data Avg.	1260.0	364	101	343	432	29	36	122	165	10	348	1180	1030	160

STATION: WASHITA RIVER NEAR DURWOOD, OKLAHOMA

NUMBER: 520 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO.	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
			DAYS	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1954	10	342.0	31	65	60	196	16	41	38	142	5	287	265	638	110
1954	11	47.2	30	143	18	261	72	117	15	170	84	624	80	965	432
1954	12	130.0	31	215	75	281	58	140	49	178	55	744	261	935	308
1955	1	237.0	31	155	99	226	78	90	58	105	55	621	398	718	380
1955	2	322.0	28	148	129	244	90	81	70	110	55	517	450	693	411
1955	3	478.0	31	96	124	239	47	49	64	120	26	405	524	764	281
1955	4	308.0	30	121	101	230	60	68	57	135	38	468	389	757	302
1955	5	3750.0	31	108	1090	389	83	24	240	125	16	324	3280	972	261
1955	6	2140.0	30	119	690	314	52	27	156	60	19	358	2070	749	224
1955	7	401.0	31	244	264	397	49	48	51	60	26	600	649	852	248
1955	8	484.0	31	192	252	249	66	32	42	122	11	466	609	610	216
1955	9	1870.0	30	54	272	354	40	22	110	101	19	257	1300	860	232
	Data Avg.	878.0	365	112	266	397	16	33	79	178	5	362	858	972	110
1955	10	2490.0	31	91	613	366	42	36	241	88	14	328	2210	861	264
1955	11	299.0	30	449	362	460	442	112	90	118	102	1030	830	1070	983
1955	12	255.0	31	444	306	453	434	115	79	115	115	1090	753	1130	1060
1956	1	232.0	31	424	266	449	394	120	75	122	118	1030	647	1090	985
1956	2	341.0	29	342	315	398	223	100	92	110	75	862	794	936	643
1956	3	207.0	31	443	248	460	435	112	63	115	110	995	556	1040	949
1956	4	194.0	30	411	216	469	208	113	60	130	67	1010	531	1120	555
1956	5	488.0	31	222	293	411	123	83	109	168	62	631	833	991	479
1956	6	644.0	30	169	294	263	115	31	54	64	20	458	796	637	357
1956	7	97.6	31	317	84	497	151	90	24	200	50	743	196	1160	435
1956	8	68.6	31	168	10	300	106	49	9	62	48	468	87	632	443
1956	9	0.2	30	80		85	67	64		68	61	480		483	470
	Data Avg.	445.0	366	208	251	497	42	62	75	200	14	571	687	1160	261
1956	10	109.0	31	238	70	322	15	62	24	230	10	613	180	811	149
1956	11	265.0	30	91	65	234	67	45	32	178	28	319	229	656	244
1956	12	399.0	31	70	76	246	21	39	42	114	14	342	369	782	190
1957	1	115.0	31	222	69	298	83	116	36	300	44	761	236	1170	389
1957	2	415.0	28	100	112	206	49	56	63	108	34	411	461	670	274
1957	3	463.0	31	109	137	209	49	70	88	108	29	462	578	671	230
1957	4	7640.0	30	44	904	161	26	19	389	43	17	256	4880	486	204
1957	5	20900.0	31	47	2640	142	16	18	1040	63	9	248	14000	536	184
1957	6	7930.0	30	92	1980	175	59	35	740	61	27	377	8030	581	302
1957	7	1060.0	31	239	686	342	138	71	203	96	47	679	1950	849	470
1957	8	302.0	31	301	246	316	281	62	51	109	9	627	676	884	778
1957	9	2050.0	30	164	909	297	64	42	231	108	24	456	2530	825	283
	Data Avg.	3490.0	365	77	659	342	15	26	245	300	9	303	2660	1170	145

STATION: WASHITA RIVER NEAR TABLER, OKLAHOMA

NUMBER: 515 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES WEIGHTED AVERAGE PPM	SULFATES WEIGHTED AVERAGE TONS/DAY	SULFATES MAX. PPM	SULFATES MIN. PPM	CHLORIDES WEIGHTED AVERAGE PPM	CHLORIDES WEIGHTED AVERAGE TONS/DAY	CHLORIDES MAX. PPM	CHLORIDES MIN. PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE PPM	TOTAL DISSOLVED SOLIDS WEIGHTED AVERAGE TONS/DAY	TOTAL DISSOLVED SOLIDS MAX. PPM	TOTAL DISSOLVED SOLIDS MIN. PPM
1946	10	359.0	31	252	244	419	209	58	56	162	29	627	607	1040	500
1946	11	402.0	30	314	341	429	230	76	82	136	38	746	810	1040	528
1946	12	289.0	31	431	337	473	405	109	85	125	100	1000	785	1090	945
1947	1	236.0	31	497	317	500	494	108	69	123	98	1090	697	1140	1040
1947	2	194.0	28	497	260	527	494	109	57	113	107	1070	559	1100	1060
1947	3	209.0	31	98	55	100	95	494	279	513	483	1050	593	1070	1030
1947	4	1610.0	30	28	120	101	17	214	929	486	173	494	2140	1020	396
1947	5	4100.0	31	24	263	76	18	210	2320	446	161	490	5430	966	384
1947	6	2100.0	30	36	205	73	25	232	1310	413	138	498	2820	892	362
1947	7	450.0	31	389	472	552	170	71	86	100	37	852	1040	1110	448
1947	8	139.0	31	524	197	764	455	114	43	385	85	983	370	1120	938
1947	9	94.9	30	541	139	602	516	113	29	156	90	1120	287	1190	1050
	Data Avg.	851.0	365	107	246	764	17	195	448	513	29	587	1350	1190	362
1947	10	191.0	31	396	205	537	285	124	64	180	73	933	482	1160	684
1947	11	110.0	30	471	141	509	412	216	64	288	191	1230	366	1390	1080
1947	12	361.0	31	254	248	469	176	80	78	195	31	655	639	1240	445
1948	1	158.0	16	484	207	500	455	172	74	177	142	1210	517	1250	1100
1948	2	251.0	29	411	279	490	238	104	70	142	39	923	626	1100	558
1948	3	1230.0	31	254	848	374	191	43	142	66	29	607	2020	762	436
1948	4	432.0	26	456	533	536	420	98	115	125	91	934	1090	1070	884
1948	5	417.0	18	338	381	450	151	70	79	123	13	692	780	952	609
1948	6	979.0	30	189	499	407	30	38	100	155	6	537	1160	987	470
1948	7	317.0	22	330	282	398	209	97	83	125	53	777	664	939	490
1948	8	337.0	27	239	218	345	125	55	50	133	22	567	516	854	326
1948	9	73.4	30	370	73	509	300	110	22	172	78	913	181	1180	743
	Data Avg.	420.0	321	291	330	537	30	69	78	288	6	675	766	1390	326
1948	10	63.1	21	446	76	482	392	209	36	252	136	1130	192	1240	968
1948	11	253.0	30	207	141	386	141	63	43	165	32	573	391	984	419
1948	12	106.0	31	441	126	469	408	153	44	162	145	990	282	1010	974
1949	1	194.0	31	414	218	477	308	106	56	160	50	997	523	1160	767
1949	2	1080.0	28	235	684	444	165	39	113	118	21	557	1620	1030	407
1949	3	325.0	31	481	422	494	454	75	66	92	68	1010	887	1100	981
1949	4	355.0	30	453	435	535	393	75	72	105	56	945	908	1060	854
1949	5	5480.0	31	145	2150	499	81	14	200	75	5	345	5120	966	221
1949	6	3700.0	30	151	1510	431	72	16	158	52	9	398	3970	1000	247
1949	7	476.0	31	396	510	505	267	45	58	60	26	813	1050	1000	587
1949	8	198.0	31	499	268	517	481	68	36	70	65	961	515	986	952
1949	9	230.0	30	317	197	444	231	45	28	70	25	733	457	996	520
	Data Avg.	1060.0	355	200	574	535	72	27	77	252	5	471	1350	1240	221

STATION: WASHITA RIVER NEAR TABLER, OKLAHOMA

NUMBER: 515 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	171.0	31	404	187	440	376	88	41	98	84	953	441	1040	895
1949	11	147.0	30	425	169	467	367	123	49	134	117	1060	421	1130	982
1949	12	175.0	31	480	227	491	472	115	54	117	113	1120	530	1130	1110
1950	1	210.0	31	473	268	495	463	96	55	105	90	1080	611	1120	1050
1950	2	233.0	28	489	308	517	466	101	63	112	92	1080	682	1160	1020
1950	3	180.0	31	522	253	533	512	112	54	117	107	1140	551	1170	1100
1950	4	156.0	30	550	231	554	546	115	48	116	114	1170	490	1200	1150
1950	5	1050.0	31	272	768	603	125	33	94	118	8	629	1770	1170	390
1950	6	392.0	30	365	386	474	167	49	52	71	26	816	864	941	498
1950	7	2280.0	31	131	804	541	38	16	98	88	8	346	2130	1040	184
1950	8	1170.0	31	212	671	352	35	26	81	62	5	526	1670	855	198
1950	9	452.0	30	335	410	410	273	47	58	63	42	790	965	982	676
	Data Avg.	556.0	365	261	392	603	35	42	62	134	5	619	931	1200	184
1950	10	239.0	31	476	307	514	450	94	61	102	87	1090	702	1190	1020
1950	11	197.0	30	522	278	528	517	106	56	108	104	1230	655	1270	1200
1950	12	230.0	31	528	328	531	525	97	60	97	96	1260	779	1270	1240
1951	1	250.0	31	523	354	554	502	86	58	93	83	1220	828	1280	1160
1951	2	310.0	28	526	440	536	515	84	70	100	68	1180	987	1230	1120
1951	3	277.0	31	563	421	593	526	82	61	92	75	1250	936	1290	1190
1951	4	225.0	30	581	353	615	564	92	56	105	66	1290	784	1390	1180
1951	5	4350.0	31	182	2140	612	118	15	178	98	10	446	5240	1390	329
1951	6	2350.0	30	256	1630	411	161	27	174	51	14	565	3590	914	368
1951	7	543.0	31	491	721	575	368	79	116	107	64	1070	1560	1250	848
1951	8	190.0	31	485	250	549	383	92	47	99	82	1090	561	1210	888
1951	9	296.0	30	260	208	491	221	47	38	99	39	594	476	1030	529
	Data Avg.	792.0	365	290	620	615	118	38	81	108	10	667	1430	1390	329
1951	10	107.0	31	421	122	472	353	96	28	124	59	1020	295	1160	830
1951	11	141.0	30	466	178	575	435	127	48	174	111	1150	437	1380	1060
1951	12	145.0	31	477	188	500	441	119	47	123	110	1190	469	1220	1130
1952	1	189.0	31	488	249	496	477	113	58	118	108	1190	607	1200	1180
1952	2	194.0	29	497	261	499	493	110	58	116	107	1190	622	1200	1180
1952	3	240.0	31	495	322	514	477	93	60	102	86	1160	750	1200	1110
1952	4	[illegible]3.0	30	377	349	541	95	61	57	102	18	870	805	1170	365
1952	5	[illegible]5.0	31	267	633	476	158	34	82	81	16	589	1390	1090	367
1952	6	409.0	30	288	319	473	104	43	47	103	10	667	738	1120	304
1952	7	128.0	31	413	143	523	291	85	29	110	56	935	323	1160	710
1952	8	33.4	31	480	43	496	456	113	10	118	108	1120	101	1160	1080
1952	9	5.5	30	406	6	464	222	90	1	92	91	1120	17	1140	706
	Data Avg.	235.0	366	370	234	575	95	69	44	174	10	862	546	1380	304

STATION: WASHITA RIVER NEAR TABLER, OKLAHOMA

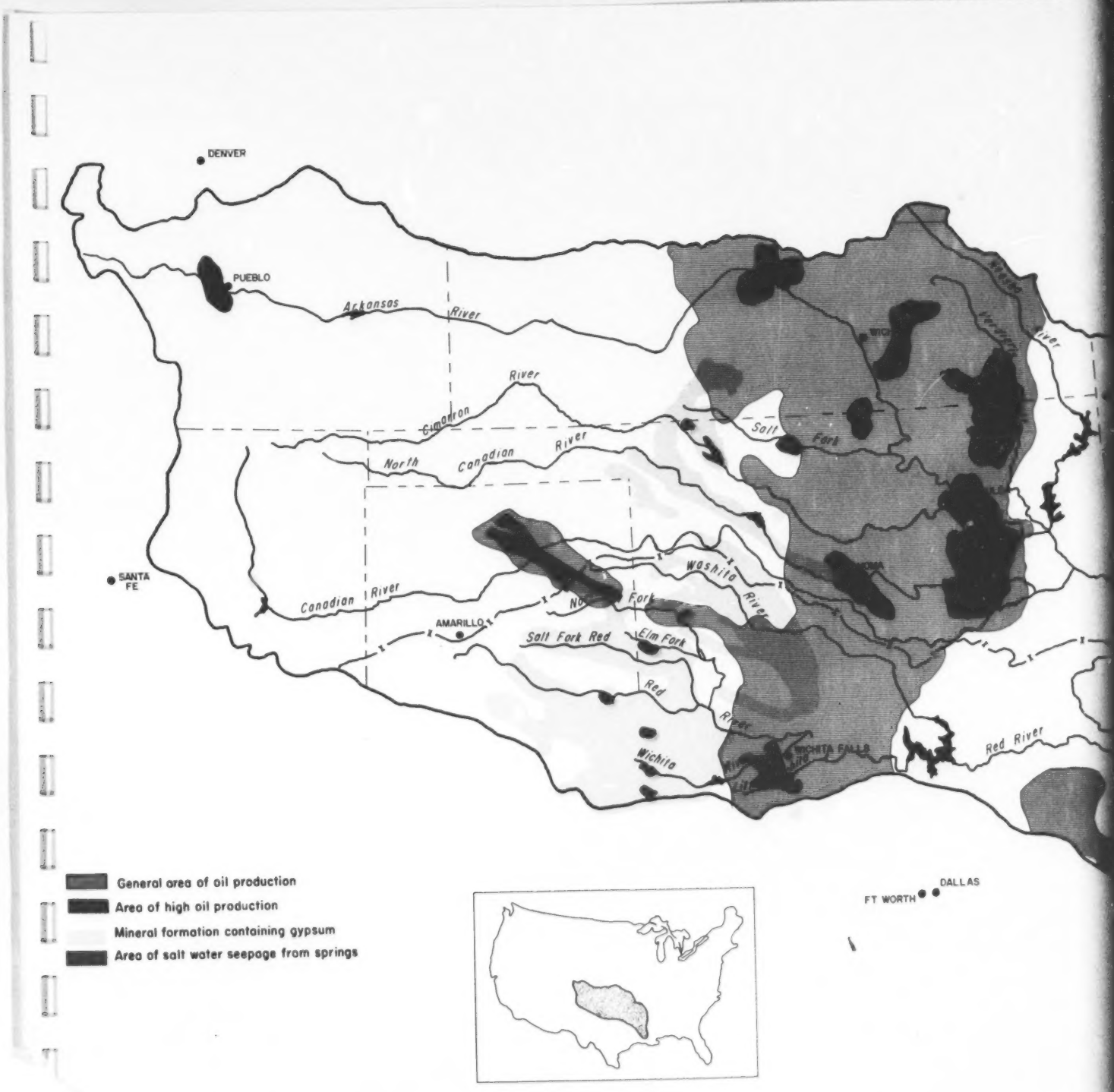
NUMBER: 515 BASIN: RED TRIBUTARY TO: RED

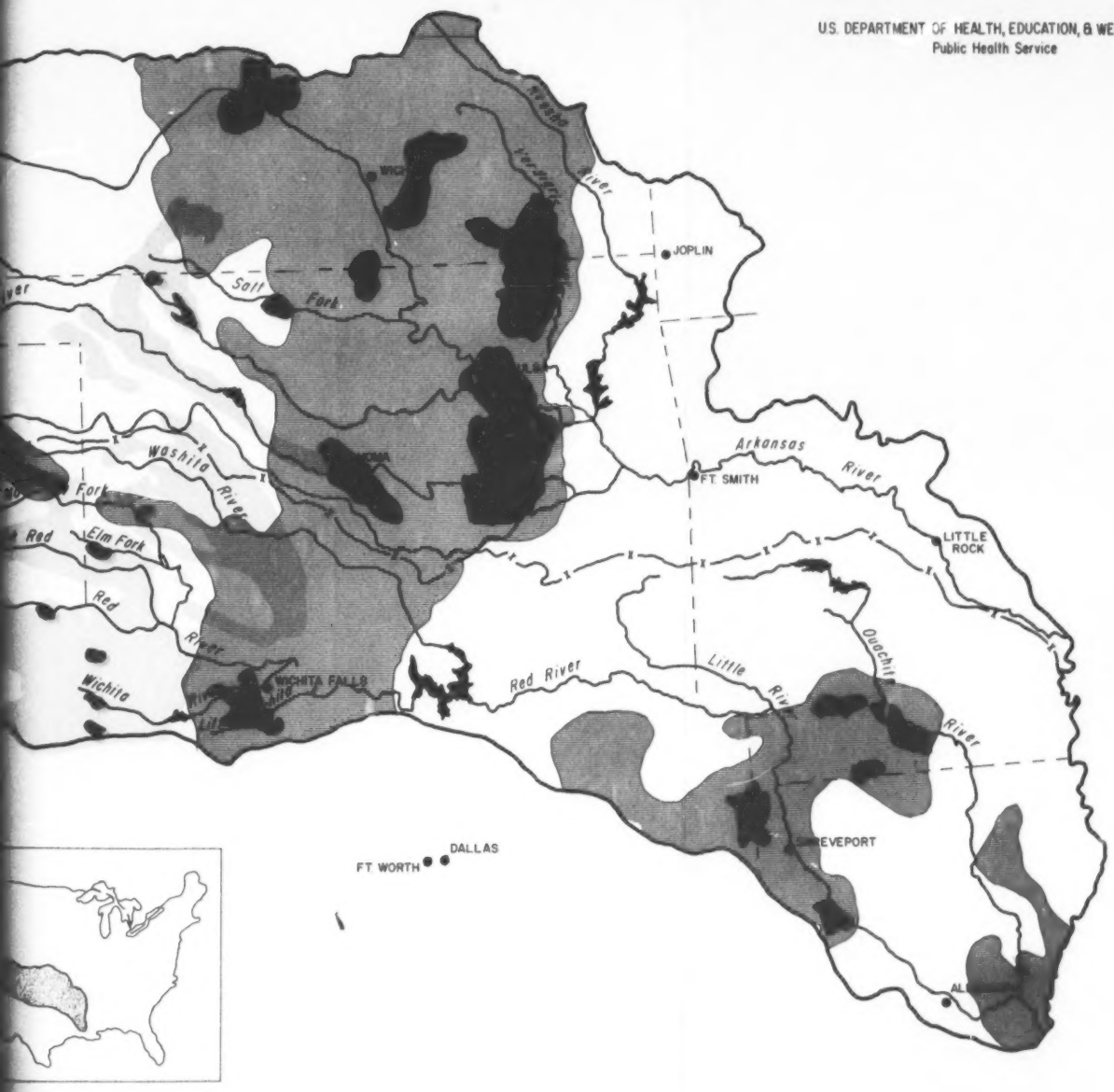
YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1949	10	171.0	31	404	187	440	376	88	41	98	84	953	441	1040	895
1949	11	147.0	30	425	169	467	367	123	49	134	117	1060	421	1130	982
1949	12	175.0	31	480	227	491	472	115	54	117	113	1120	530	1130	1110
1950	1	210.0	31	473	268	495	463	96	55	105	90	1080	611	1120	1050
1950	2	233.0	28	489	308	517	466	101	63	112	92	1080	682	1160	1020
1950	3	180.0	31	522	253	533	512	112	54	117	107	1140	551	1170	1100
1950	4	156.0	30	550	231	554	546	115	48	116	114	1170	490	1200	1150
1950	5	1050.0	31	272	768	603	125	93	94	118	8	625	1770	1170	390
1950	6	392.0	30	365	386	474	167	49	52	71	26	816	864	941	488
1950	7	2280.0	31	131	804	541	38	16	98	88	8	346	2130	1040	184
1950	8	1170.0	31	212	671	352	35	26	81	62	5	526	1670	855	198
1950	9	492.0	30	395	410	410	273	47	58	63	42	790	965	982	676
	Data Avg.	556.0	365	261	392	603	35	42	62	134	5	619	931	1200	184
1950	10	239.0	31	476	307	514	450	94	61	102	87	1090	702	1190	1020
1950	11	197.0	30	522	278	528	517	106	56	108	104	1230	655	1270	1200
1950	12	230.0	31	528	328	531	525	97	60	97	96	1260	779	1270	1240
1951	1	250.0	31	523	354	554	502	86	58	93	83	1220	828	1280	1160
1951	2	310.0	28	526	440	536	515	84	70	100	68	1180	987	1230	1120
1951	3	277.0	31	563	421	593	526	82	61	92	75	1250	936	1290	1190
1951	4	225.0	30	581	353	615	564	92	56	105	66	1290	784	1390	1180
1951	5	4350.0	31	182	2140	612	118	15	178	98	10	446	5240	1390	329
1951	6	2350.0	30	256	1630	411	161	27	174	51	14	565	3590	914	368
1951	7	543.0	31	491	721	575	368	79	116	107	64	1070	1560	1250	848
1951	8	190.0	31	485	250	549	383	92	47	99	82	1090	561	1210	888
1951	9	296.0	30	260	208	491	221	47	38	99	39	594	476	1090	529
	Data Avg.	792.0	365	290	620	625	118	38	81	108	10	667	1430	1390	329
1951	10	107.0	31	421	122	472	353	96	28	124	59	1020	295	1160	830
1951	11	141.0	30	466	178	575	435	127	48	174	111	1150	437	1380	1060
1951	12	145.0	31	477	188	500	441	119	47	123	110	1190	469	1220	1130
1952	1	189.0	31	488	249	496	477	113	58	118	108	1190	607	1200	1180
1952	2	194.0	29	497	261	499	493	110	58	116	107	1190	622	1200	1180
1952	3	240.0	31	495	322	514	477	99	60	102	86	1160	750	1200	1110
1952	4	[illegible]3.0	30	377	349	541	95	61	57	102	18	870	805	1170	365
1952	5	[illegible]5.0	31	267	633	476	158	34	82	81	16	589	1390	1050	367
1952	6	409.0	30	288	319	473	104	43	47	103	10	667	738	1120	304
1952	7	128.0	31	413	143	523	291	85	29	110	56	935	323	1160	710
1952	8	33.4	31	480	43	496	456	113	10	118	108	1120	101	1140	1080
1952	9	5.5	30	406	6	464	222	90	1	92	31	1120	17	1140	706
	Data Avg.	235.0	366	370	234	575	95	69	44	174	10	862	546	1380	304

STATION: PEASE RIVER AT CROWELL, TEXAS

NUMBER: 496 BASIN: RED TRIBUTARY TO: RED

YEAR	MONTH	DISCHARGE	NO. DAYS	SULFATES				CHLORIDES				TOTAL DISSOLVED SOLIDS			
				WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.	WEIGHTED AVERAGE		MAX.	MIN.
				PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM	PPM	TONS/DAY	PPM	PPM
1942	7	24.8	26	1970	132	2660	1720	2990	200	4510	2640	7740	519	11100	6810
1942	8	50.4	21	1810	247	2100	1220	2330	317	2900	1320	6440	877	7770	3950
1942	9	574.0	29	892	1390	2260	812	613	951	3190	378	2370	3670	8460	1870
	Data Avg.	242.0	76	983	642	2660	812	795	519	4510	378	2790	1820	11100	1870
1942	10	324.0	31	1260	1100	2220	779	1550	1350	3620	352	4400	3850	8970	1770
1942	11	26.2	30	2110	149	2280	2030	3500	248	3570	3470	8800	622	9090	8640
1942	12	28.7	29	2020	156	2300	1750	3860	299	6480	3220	9240	717	13900	7830
1943	1	23.1	29	2090	131	2390	1870	4220	264	4900	3920	9950	622	11500	9160
1943	2	9.4	28	2400	61	2460	2370	4180	106	4430	3880	10300	261	10700	9770
1943	3	8.5	31	2480	57	2540	2440	4420	102	4590	4130	10800	250	11100	10300
1943	4	74.9	23	1440	292	2570	847	1550	314	4500	208	4630	938	11000	1600
	Data Avg.	72.5	201	1450	284	2570	779	2010	393	6480	208	5420	1060	13900	1600


DENVER
PUEBLO
Arkansas River
Cimarron River
North Canadian River
SANTA FE
Canadian River
AMARILLO
Salt Fork Red
Elm Fork
Red River
Wichita
Washita River
Salt Fork
Red River
FT WORTH
DALLAS
General area of oil production
Area of high oil production
Mineral formation containing gypsum
Area of salt water seepage from springs

WATER QUALITY CONSERVATION PROJECT
ARKANSAS - RED RIVER BASINS
REGION VII DALLAS, TEXAS

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Public Health Service